

R E P O R T R E S U M E S

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INSTRUCTIONAL TELEVISION MATERIALS, A GUIDE TO FILMS,
KINESCOPES, AND VIDEOTAPES AVAILABLE FOR TELEVISED USE.

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NATIONAL INSTRUCTIONAL TELEVISION LIBRARY, NEW YORK

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THIS GUIDE DESCRIBES INSTRUCTIONAL MATERIALS AVAILABLE
DIRECTLY FROM DISTRIBUTORS FOR BROADCAST AND CLOSED-CIRCUIT
USE. IT ALSO LISTS INSTRUCTIONAL MATERIALS STILL BEING
PLANNED OR PRODUCED, AS WELL AS SELECTED PUBLICATIONS ON
INSTRUCTIONAL TELEVISION. THIS IS THE SECOND REVISED EDITION
OF THE GUIDE. (LP)

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U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
Office of Education

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No. 2

INSTRUCTIONAL TELEVISION MATERIALS

1964

A GUIDE
TO FILMS,
KINESCOPES,
AND
VIDEOTAPES
AVAILABLE
FOR
TELEVISED USE

3rd
EDITION

INSTRUCTIONAL TELEVISION LIBRARY PROJECT

Cambridge, Massachusetts

New York, New York

Lincoln, Nebraska

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INSTRUCTIONAL TELEVISION MATERIALS

**A Guide to Films, Kinescopes, and Videotapes
Available for Televised Use**

1964

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
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Instructional Television Library Project

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Lincoln, Nebraska
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GENERAL INFORMATION

This guide describes telecourses available directly from distributors for broadcast and closed-circuit use. It also lists courses still being planned or produced, as well as selected publications on instructional television.

The total number of courses is 324. Although some are appropriate for more than one educational level, 157 are intended for elementary use, 62 for secondary, 52 for college, 43 for adult education, and 10 for in-service education.

This is the second revised edition of the Guide. It was published originally in the Spring of 1962. Subsequent revisions are planned annually.

It should be emphasized that telecourses are listed in this Guide as a service to distributors and potential users. *Unless distributed by the Instructional Television Libraries, courses are neither endorsed nor recommended by the Instructional Television Library Project.*

In general, distributors will provide, to both educational and commercial television facilities, detailed information and broadcast materials for all courses listed in this Guide. In the case of their use by commercial stations, distributors will usually require that courses be broadcast on a public service basis in cooperation with an appropriate educational system or organization as part of its regular instructional activity.

OBTAINING TELECOURSES AND INSPECTION MATERIALS

Arrangements to use any of the telecourses listed in this Guide, either for open- or closed circuit transmission, must be made directly with the organization identified in the course entry as "distributor". Distributors' addresses and persons to contact at these organizations are listed on pages 56 and 57.

Inspection materials for a course usually consist of a representative lesson or lessons on film or videotape, and a study guide. These materials may be obtained in three ways:

1. **Telecourse samplers** are available from the Instructional Television Libraries for most courses described in this Guide. Courses with samplers are identified by a telecourse sampler number listed opposite the course title (e.g. LET'S FIGURE, ES-2). Each sampler contains one 16mm film of the lesson the distributor has chosen as representative of the course and two copies of the related study guide. These samplers are available for a use period of one week at a service fee of \$5 per week per sampler, plus transportation charges both ways. To order a sampler kit, requests should be addressed to the Project library serving the user. The three libraries and the states they cover are listed on page 13. A sampler order card is enclosed in this Guide. Please indicate in the order, the sampler number, course title, and the week preferred. For example: ES-2, LET'S FIGURE, 3/4/64.
2. **Inspection materials** can be obtained by writing directly to the listed distributor if a course has no sampler number.
3. **Preview materials** are provided at no charge by the Instructional Television Libraries for courses distributed by them.

TELECOURSES AVAILABLE THROUGH THE INSTRUCTIONAL TELEVISION LIBRARIES

Four courses have been acquired by the National Instructional Television Library for national distribution: ACCENT ON MUSIC, EXPLORING NATURE, PATTERNS IN MATHEMATICS, and PRIMARY CONCEPTS IN SCIENCE. They may be obtained through the Instructional Television Libraries. This section gives preview, content, and rental information for these courses.

Additional courses will be acquired shortly. These will include courses for college and in-service education of teachers. Information about these courses will be sent to those who receive this Guide, or will be furnished upon request.

Preview Materials

Preview materials for courses distributed nationally consist of three representative lessons and one set of all related printed materials for teachers and students. They are available at no charge to those interested in their in-school television use. Request for preview materials should be directed to the Instructional Television Library serving the requester (see page 13 for states serviced by each of the libraries).

Rental Rates

1. Course rates are based on the length and number of lessons and total population within the grade "A" service area of television stations.
2. Rates do not include transportation charges.
3. Film or tape copies of each lesson are provided for use during one calendar week—Sunday through Saturday—and can be aired as many times as desired within that week at no additional charge.
4. Courses or series are for in-school television use.
5. A separate charge is made for such related items as teacher's guides and student's workbooks.

Total Population Within Grade "A" Service Area of Television Stations	Course Rates			
	ACCENT ON MUSIC	EXPLORING NATURE	PATTERNS IN MATHEMATICS	PRIMARY CONCEPTS OF SCIENCE
4,000,001 and over	\$800	\$3,000	\$7,600	\$900
2,000,001 to 4,000,000	640	2,400	6,080	750
1,000,001 to 2,000,000	520	1,950	4,940	600
500,001 to 1,000,000	400	1,500	3,800	450
250,001 to 500,000	320	1,200	3,040	375
125,001 to 250,000	240	900	2,280	300
50,001 to 125,000	200	750	1,900	225
up to 50,000	160	600	1,520	180

Courses

ACCENT ON MUSIC

Eight 30-minute kinescope lessons of concerts and commentary designed to supplement secondary school music courses.

Lessons

1. **THE SYMPHONY ORCHESTRA** Introduces the structure of the symphony orchestra, using the Greater Boston Youth Symphony. Demonstrates how through rehearsal, the various parts are combined into a complete musical unit. Kenneth Wright's *Dance Mosaic*, written especially for youth symphonies, is played in rehearsal, and Saint-Saen's *Rondo Capriccioso* is given as a finished performance.
2. **THE CHANGING VOICE** Dr. Edward Gilday and Dr. Edward Joy discuss what happens when boys' voices change. They approach this through an explanation of the mechanics of voice production, using a film of the larynx in action, and through demonstrations of singing by boys of various ages, to show the tonal differences resulting from maturation. Two boys choral groups perform—the Needham Junior High Boys Choir, and the Galloneers of Brockton High School.
3. **JAZZ** Dr. Gilday and Father Norman J. O'Connor discuss the origin and development of jazz and its relationship to negro religious music. The Herb Pomeroy Quintet plays *Sweet Sue* from its basic form through a musical gambit of slow and fast jazz tempos, Afro-Cuban, slow dance step style, and rock and roll to free improvisation.
4. **ANCIENT INSTRUMENTS** Presents ancient instruments played by members of the Camerata of the Boston Museum of Fine Arts. The performances are fitted into a context of related historical incidents and anecdotes, and are organized into three sections dealing with string, brass, and reed instruments. Several early orchestral selections are played by the Camerata, and Greensleeves in a lute accompanied solo.
5. **NATIONAL MUSIC** Demonstrates traditional music of the Near East, France, and Scotland. Dr. Gilday examines instruments peculiar to the Near East, and explains the general historical background of its music and dance which is demonstrated by the Caravan Band. Students of the Franco-American Orphanage perform traditional French songs.
6. **THE CONCERT BAND** Discusses the differences between the concert band, the marching band, and the orchestra. The Massachusetts Institute of Technology's concert band demonstrates how to transform a marching band into a concert band. Dr. Gilday also considers composition. He tells a story and asks his audience to visualize the type of music they think would best portray it. Then the music is played that composer Morton Gould wrote as his musical interpretation.
7. **THE CONDUCTOR** Dr. Gilday discusses how a conductor of a choral group uses signals to convey tempo, volume, and emphasis to the chorus. He demonstrates these cues by conducting the concert choir of the Lowell State Teachers College in several short selections.
8. **THE ORATORIO** Presents the advanced forms of choral music, with an emphasis on oratorio. Dr. Gilday uses selections from Mendelssohn's *Elijah*, sung by the Handel and Haydn Society, to study oratorio, interspersing comments on the story of *Elijah*. The Society also performs Handel's *Hallelujah Chorus*.

Television Teacher—Dr. Edward Gilday, chairman of the music department at Lowell State Teachers College, Lowell, Mass. Guests include: Dr. Edward Joy, associate professor of anatomy at Tufts Medical School; and Father Norman J. O'Connor, Roman Catholic chaplain at Boston University and an authority on jazz.

Produced by WGBH-TV and The 21-Inch Classroom, Boston, Mass.

Related Materials—Teacher's guide of 30 pages.

EXPLORING NATURE

Thirty 30-minute kinescope lessons providing supplementary instruction in the natural sciences for the intermediate grades. Presents material not ordinarily available in the classroom.

Lessons

1. **ALIVE OR NOT ALIVE** Discusses the distinction between living and non-living matter. Analyzes the characteristics of living organisms—energy, growth, reproduction, movement, and response to stimuli.
2. **THESE ARE ANIMALS** Describes how animals differ from plants. Animals move and depend on plants and other animals for energy.
3. **THESE ARE PLANTS** Points up the role of plants and how they differ from animals. Plants are essentially immobile, and can make their own food through photosynthesis.
4. **ANIMAL TOOLS AND WEAPONS** Describes how animals use various parts of their bodies to get food and to defend themselves.
5. **MAMMALS** Considers the advantages mammals have over other animals.
6. **HOW ANIMALS MOVE** Explains the basis of movement as the contraction of muscle against a fixed object like bone. Compares vertebrates and invertebrates.
7. **ANIMALS HOMES** Describes the nature and function of homes animals either build or find in which to live, protect their young, and store food.
8. **SEEDS** Discusses and illustrates the nature of seeds, the variety of ways they are dispersed, germination, and their role in the plant's life cycle.
9. **TREES** Describes trees as specialized plants. Explains how they grow, obtain raw materials to make food, and survive the winter. Discusses the economic importance of wood and forest practices.
10. **WATER** Considers the role of water in life. Demonstrates that all animals and plants still live in a watery environment.
11. **FOSSILS** Describes fossils and emphasizes the role of fossils in the theory of evolution.
12. **DARWIN AND DINOSAURS** Uses the story of the dinosaur as a case history to study evolution.
13. **REPRODUCTION** Considers the general features common to all methods of reproduction. Watches the development of rock weed in detail.
14. **POPULATIONS AND PREDATORS** Explains how the number of plants and animals is controlled by competition for food and being prey for other living things.
15. **ANIMALS PREPARE FOR WINTER** Describes how animals meet the problems of winter—the cold and the difficulty to come by food and water.
16. **PLANTS IN WINTER** Explains how plants survive winter.
17. **NOW YOU SEE IT — NOW YOU DON'T** Describes how animals are camouflaged against danger.
18. **FOOD FROM THE SEA** Tells how man is just beginning to harvest efficiently the edible plants and animals in the ocean.
19. **LIFE IN A DROP** Describes the community of plants and animals in a drop of water when seen under a microscope.
20. **BLOOD — THE INTERNAL OCEAN** Explains the nature and function of blood.
21. **PLANTS WITHOUT CHLOROPHYLL** Discusses how plants that lack green pigment survive, get their energy, and are used by man.
22. **THE 40° MIRACLE — SPRING** Explains why the plants and animals start their reproductive cycle when around mid-March the temperature warms to 40°.
23. **ANIMALS SOUNDS** Demonstrates animal sounds, and describes how the animals use them for orientation, communication, and social purposes.
24. **REPTILES AND AMPHIBIANS** Explores the differences between a reptile and an amphibian, and gives common examples.
25. **WHAT ARE FLOWERS FOR?** Explains that flowers are to produce seeds, and that their primary function is to insure pollination.
26. **BEEES** Considers the elaborate behavioral social system of a bee colony.
27. **BIRD MIGRATION** Describes the nature, function, and study of migration of birds.
28. **THE SEASHORE** Explores how animals and plants along the seashore have adapted to their environment.
29. **YOUR BACK YARD — THE COUNTRY** Describes the plants and animals that live near houses in the country.
30. **YOUR BACK YARD — THE CITY** Shows that living things can be found even in the city—mice, sparrows, flies, etc.

Television Teacher—Dr. William H. Weston Jr., professor emeritus in natural sciences from Harvard University.

Produced by The Natural Science Television Project and WGBH-TV, Boston, Mass., with financial assistance from the National Defense Education Act.

Related Materials—Teacher's guide of 120 pages.

PATTERNS IN MATHEMATICS

Seventy-six 25-minute videotape lessons giving a complete course of instruction in first-year high school algebra. Covers the traditional content, utilizing the new teaching point of view. Useful for in-service teacher education.

Lessons

First Semester

1. **Sets, Subsets, Relevant Notation and Terminology** Introduces the language of sets, including set membership, subset, and empty set. Discusses relevant symbolism.
2. **Truth Value of Statements** Reviews arithmetic, develops ideas of equality and inequality and introduces compound sentences.
3. **Open Sentences, Universes, Variables, Solution Sets, Equations, Inequalities** Shows what it means to "solve" an equation or inequality. "Methods" for determining solution sets are taught later in the course.
4. **Graphing Solution Sets on the Number Line** Introduces the number line. Using a finite set as the universe, describes how to graph sets, and, in particular, solution sets of open sentences. Demonstrates that this is based on the idea of one-to-one correspondence between numbers and points on a line.
5. **Graphing Sets** Expands ideas of the preceding lesson, using a universe of all the numbers of arithmetic.
6. **Open Sentences with Two Variables, Ordered Pairs, Graphing of Sets of Ordered Pairs** Introduces equations and inequalities with two variables. Explains the correspondence between ordered pairs and points in a plane, and extends the concept of graphing from one to two dimensions.
7. **Graphing Sets of Ordered Pairs** Discusses graphing solution sets when the universe is the set of all ordered pairs of numbers in arithmetic. Keeps examples simple enough for students to handle without special techniques.
8. **Open Sentences with Three Variables, Ordered Triples** Carries forward work with open sentences to equations and inequalities with three variables. Provides background for next lesson.
9. **Identities to State Fundamental Properties** Demonstrates how the equations considered in the previous lesson (where the solution set was the entire universe) express important number properties.
10. **Associative, Commutative, Distributive Properties** Introduces the concept of proof by focusing on associative, commutative, and distributive properties and the special properties of 0 and 1.
11. **Negative Numbers and Addition** Introduces the concept of negative numbers as numbers on the "other half" of the number line. Presents the idea of "less than" in terms of relative position on the number line.
12. **Addition** Approaches the operation of addition by means of the number line. Defines the negative and absolute value of a number.
13. **Multiplication** Considers multiplication of real numbers.
14. **Multiplication** Discusses some of the implications of the associative and commutative properties in multiplication. Gives a proof of the property: For all a , $a(-1) = -a$.
15. **Subtraction** Reminds students of the relationship between addition and subtraction in arithmetic to arrive at the definition: $a - b = a + (-b)$.
16. **Division** Approaches division of real numbers in the same way as subtraction in the preceding lesson. Division by 0 is ruled out.
17. **Equivalent Expressions** Defines these as two algebraic expressions that have the same value for all replacements of the variables. Discusses the use of the properties of the real numbers in determining equivalent expressions.
18. **Equivalent Expressions** Contains more work on equivalent expressions and their use in solving open sentences. Briefly introduces verbal problems.
19. **Equivalent Expressions** Continues work on equivalent expressions with heavy reliance on the distributive property. Briefly discusses its application in what is later called factoring.
20. **Equivalent Expressions** Another lesson devoted to equivalent expressions. Particular attention is paid to expressions containing parentheses.
21. **Use of: If $a = b$, Then $a + c = b + c$** Demonstrates the significance of equivalent open sentences (sentences that have the same solution set) in solving equations and inequalities. Shows the use of the property: If $a = b$, then $a + c = b + c$.
22. **Continuation of Lesson 21** Also reviews equivalent expressions.
23. **Use of: If $a = b$, Then $ac = bc$** Introduces the multiplication property, and applies it to the solution of equations.
24. **Continuation of Lesson 23** Discusses the use of the multiplication property in "clearing an equation of fractions." Introduces the solution of inequalities, and the property: If $a < b$, then $a + c < b + c$.
25. **Enrichment Lesson on Sequences** Intended only for better students, it deals with sequences. The development is carried forward in lesson 34.
26. **Development of: If $a < b$ and $c > 0$, Then $ac < bc$** Resumes work on the solution of inequalities. Stresses the property: If $a < b$ and $c > 0$, then $ac < bc$. As preparation for the next lesson, discusses: If $a < b$, then $-a > -b$.
27. **Proof of: If $a < b$ and $c < 0$, Then $ac > bc$** Uses the result of the preceding lesson to prove: If $a < b$ and $c < 0$, then $ac > bc$. Applies this to the solution of inequalities. Introduces the set-builder symbol.
28. **Review** Reiterates the fundamental properties of the real numbers and their algebraic applications, and briefly presents proof of: For all a , $a \cdot 0 = 0$.
29. **Equivalent Expressions** Applies the distributive property in converting a product such as $(x-1)(x+3)$ to an equivalent expression in the form of a sum.
30. **Equivalent Expressions** Covers two special products — $(a+b)^2 = a^2 + 2ab + b^2$ and $(a+b)(a-b) = a^2 - b^2$. Presents these as theorems. Considers various implications.
31. **Compound Open Sentences** Introduces the concepts of intersection and union of sets, and discusses their significance in connection with compound open sentences.
32. **Compound Open Sentences** Algebraic sentences are presented as abbreviations of compound sentences discussed previously. Introduces both $x \leq 6$ and $0 < x < 4$.
33. **Equations Involving Absolute Value** Defines absolute value (If $x \geq 0$, $|x| = x$ and if $x < 0$, $|x| = -x$) and then uses it to solve equations involving absolute value. Points out the relationship between distance and absolute value.
34. **Second Enrichment Lesson on Sequences** Continuing lesson 25, approaches the idea of the limit of a sequence from an intuitive point of view.
35. **Inequalities Involving Absolute Value** Teaches solving inequalities involving absolute value by using the idea of distance developed in lesson 33. Discusses three important generalizations about absolute value.
36. **Verbal Problems** Gives hints on the solution of verbal problems. Emphasizes those about rates.

37. **Verbal Problems** Continues work on verbal problems. Stresses problems dealing with mixtures.
38. **Review of the First Half of the Course** Emphasizes fundamental concepts, rather than techniques.

Second Semester

39. **Exponents** Begins the study of powers and roots. Uses exponents to express a number as a product of primes. Discusses the terminology and symbolism of exponents, and describes how they are used in scientific notation.
40. **Properties of Exponents** Shows two basic properties holding for positive exponents — $a^m \cdot a^n = a^{m+n}$ and $(a^m)^n = a^{mn}$. Applies them to various situations.
41. **Zero and Negative Exponents** Considers division of powers of the same number leading to two definitions: $a^0 = 1$ and $a^{-n} = \frac{1}{a^n}$, where n is a positive integer and $a \neq 0$.
42. **Rational and Irrational Numbers** Points up the difference between rational and irrational numbers to lay the groundwork for radicals. Shows that irrational numbers are represented by non-terminating, non-repeating decimals.
43. **Simplifying Radical Expressions** Shows that for non-negative a and b , $\sqrt{a} \cdot \sqrt{b} = \sqrt{ab}$. Examines applications of this property.
44. **More on Simplifying Radicals** Considers the sums of square roots. Discusses such examples: $\sqrt{12} + \sqrt{75} = 2\sqrt{3} + 5\sqrt{3} = 7\sqrt{3}$ and $\sqrt{2}(\sqrt{2} + \sqrt{3}) = 2 + \sqrt{6}$.
45. **Rationalizing Denominators** Analyzes various examples of rationalizing the denominator. Explains the advantages of making certain conversions.
46. **Equations with Radicals** Shows equations containing radicals by applying the property: If $a = b$, then $a^2 = b^2$. Advises caution in using this, because the resulting equation is not necessarily equivalent to the original.
47. **Polynomials** First of the lessons on polynomials. Introduces pertinent terminology and discusses sums and products.
48. **Factoring Polynomials** Begins the study of factoring. Emphasizes the use of the distributive property.
49. **Factoring and Solving Quadratic Equations** Considers quadratic equations to justify the study of factoring. Shows that the solution of quadratics is based on the property: If $ab = 0$, then $a = 0$ or $b = 0$.
50. **Factoring** Discusses definite procedures for factoring polynomials of the form $x^2 + bx + c$ to illustrate that guesswork can be minimized.
51. **Theorems on Odd and Even Numbers** An enrichment lesson. Properties of even and odd numbers. Uses factoring to prove that the sum of two even integers is even.
52. **Factoring** Continues the work on factoring. Deals with polynomials of the form $ax^2 + bx + c$ (where $a > 1$), and trinomial squares.
53. **Factoring** The final lesson on factoring. Briefly describes factoring over the real numbers.
54. **Rational Expressions—Multiplication** Begins the study of rational expressions. Compares polynomials to integers, and recognizes that quotients of polynomials are the analog of rational numbers. Considers products of rational expressions and their simplification.
55. **Addition of Rational Expressions** Shows the analogy between the sums of rational expressions and ordinary fractions. Reviews ideas from arithmetic.
56. **Rational Expressions** Proves that for all real numbers a and all real numbers b except 0, $-\frac{a}{b} = \frac{a}{-b} = \frac{-a}{b}$. Applies this theorem to differences of rational expressions.
57. **Linear Equations in Two Variables—Graphing** Begins a detailed study of open sentences with two variables. Introduces appropriate terminology and symbolism.
58. **Slope and Intercept** Discusses the concepts of slope and intercept, and applies them to graphing linear equations in two variables.
59. **Linear Inequalities in Two Variables** Clarifies the concept of slope for lines parallel to the coordinate axes. Considers graphing inequalities.
60. **Compound Sentences in Two Variables** Studies solution sets of compound open sentences in two variables by analyzing their graphs.
61. **Enrichment Program—Linear Programming** This enrichment program for better students, develops the "fundamental theorem of linear programming", to be applied in lesson 71.
62. **Solving System of Equations** Considers systems of equations as compound sentences. Develops the addition method of solving them.
63. **Systems of Equations and Inequalities** Considers verbal problems resulting in systems of equations. Introduces the substitution method as an alternative approach.
64. **Systems of Equations and Inequalities — Verbal Problems** Uses the substitution idea to solve all systems of equations except linear.
65. **Systems of Equations and Inequalities — Verbal Problems** Analyzes verbal problems about rates.
66. **Parameters** Defines parameters as variables used in a special way. Discusses how they are used to specify families of lines.
67. **Solving Quadratic Equations** Factors polynomials over the real numbers by "completing the square." Solves quadratic equations with this idea.
68. **Quadratic Formula** Using the concepts of the preceding lesson, begins the derivation of the quadratic formula. Formula is left for the students to complete.
69. **Solving Quadratic Inequalities** Solves quadratic inequalities by graphing. Makes apparent the inadequacies of this approach.
70. **Continuation of Lesson 69** Presents the algebraic solution of quadratic inequalities. Applies order properties of the real numbers.
71. **Enrichment Lesson—Linear Programming Problems** Using ideas developed in lesson 61, solves some problems concerned with maxima and minima. For better students only.
72. **Division of Polynomials** Studies the division of polynomials by comparing a set of polynomials to a set of integers. Emphasizes the basic idea rather than the mechanics.
73. **Solution of Equations Involving Rational Expressions** Clarifies division of polynomials, and discusses solving equations containing rational expressions.
74. **Verbal Problems** Considers verbal problems.
75. **Review** Reiterates the ideas and concepts of this course through consideration of the question: Can you think of a pair of numbers for which the product is the same as the sum?
76. **Review** Summarizes the course, emphasizing that all things learned in it are consequences of the properties of the real numbers.

Television Teacher—Donovan R. Lichtenberg, assistant professor of mathematics and education at the University of Southern Florida. When he recorded this course he was a graduate student at the University of Wisconsin.

Course Consultant—Dr. Henry Van Engen, professor of mathematics and education at the University of Wisconsin.

Produced by the Wisconsin School of the Air in Cooperation with the Wisconsin Improvement Program with financial assistance from the Ford Foundation.

Related Materials—Teacher's guide and pupil's exercise book, both essential in using the telecourse.

PRIMARY CONCEPTS IN SCIENCE

Fifteen 14-minute film lessons providing supplementary instruction in the physical and biological sciences for the third and fourth grades. It also incorporates in-service teacher education by demonstrating the use of various teaching techniques.

Lessons

1. **OUR SENSES** Demonstrates the use of the five senses through examination of a small, unopened box.
2. **INSECTS** Examines familiar insects and considers characteristics that differentiate them from the rest of the animal kingdom.
3. **AIR** Shows that air is everywhere. A teacher-pupil team conduct simple experiments using a glass, a sponge, a piece of wool, a tank of water and a balanced scale.
4. **HOW DO WE HEAR?** Demonstrates sound waves as vibrations produced by moving objects.
5. **SOUND** Uses the oscilloscope and tape recorder to demonstrate and explain the properties of sound, such as pitch and volume.
6. **HOW DO WE SEE?** Studies the basic properties of light, including reflection, refraction, and the ability of light to pass through certain materials.
7. **SEEING THE UNSEEN** Shows how things too small to be seen by the naked eye can be seen through a lens. Demonstrates the use of a hand lens, a bioscope, and a microscope, and how to prepare a microscope slide.
8. **SEEING THE LARGE AND DISTANT** Introduces the telescope and its system of lenses and mirrors. Describes how to use a star chart and a star map.
9. **THE EARTH'S CRUST** Discusses how heat and cold cause changes in the earth's surface. Uses simple devices to reproduce erosion, and explains the necessity for soil conservation.
10. **WEIGHT AND GRAVITY** Demonstrates the basic concepts of gravity. Defines the weight of an object as how hard gravity is pulling on it.
11. **LIFT: HEAVIER-THAN-AIR CRAFT** Explains lifts—the basic principle of flight—by using scale model airplanes, paper, and soda straws.
12. **THRUST AND PROPULSION** Using scale models, the teacher shows how thrust from the engines of a moving rocket or jet produces propulsion.
13. **INCLINED PLANES** Explains the principle of the inclined plane.
14. **FRICTION AND MOTION** Demonstrates friction and motion involved in simple moving toys, and uses model cars to describe the implications of inertia in a moving auto.
15. **HOW DOES THE SCIENTIST WORK?** Using a film showing the preparation required for Astronaut Alan Shepard's trip into space, shows how science increasingly is becoming a team effort.

Television Teacher—Mrs. Sara Clemson, specialist in elementary education, Pennsylvania State University.

Produced by Pennsylvania Department of Public Instruction with financial support from the National Defense Education Act.

Related Materials—Teacher's guide of 30 pages.

INSTRUCTIONAL TELEVISION LIBRARY PROJECT

The Instructional Television Library Project consists of the National Instructional Television Library in New York City and two regional libraries in Lincoln, Nebraska and Cambridge, Massachusetts. The Project was established early in 1962 by the U.S. Office of Education as a demonstration of a permanent library system, facilitating the exchange of recorded telecourses at all educational levels.

This Project evolved from the 1961 report by Jack McBride and W. C. Meierhenry, A Study of the Use of In-School Telecast Materials Leading to Recommendations as to Their Distribution and Exchange. This survey documented the existence of a substantial number of recorded telecourses which their distributors were willing to make available to others. It also noted widespread interest in the use of this material, and the existence of a significant amount of exchange activity between various television organizations.

The Project provides three major services: the Guide, sample lessons of the courses described in it, and the distribution of selected courses.

In order to test the effectiveness of a national library system, the Project consists of three facilities each serving particular states. Users of the libraries should deal with the library providing service in their state, as listed below.

**National Instructional
Television Library
10 Columbus Circle
New York, N. Y. 10019**

Alabama
Alaska
Arizona
Arkansas
California
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Kentucky
Louisiana
Michigan
Mississippi
Montana
Nevada
North Carolina
Ohio
Oregon
South Carolina
Tennessee
Texas
Utah
Virginia
Washington
West Virginia

**Northeastern Regional
Instructional Television Library
Eastern Educational Network
238 Main Street
Cambridge, Mass. 02142**

Connecticut
Delaware
District of Columbia
Maine
Maryland
Massachusetts
New Hampshire
New Jersey
New York
Pennsylvania
Rhode Island
Vermont

**Great Plains Regional
Instructional Television Library
West Stadium
The University of Nebraska
Lincoln, Neb. 68508**

Colorado
Iowa
Kansas
Minnesota
Missouri
Nebraska
New Mexico
North Dakota
Oklahoma
South Dakota
Wisconsin
Wyoming

Each Instructional Television Library is guided by an advisory committee of educators and broadcasters concerned with the the most effective use of television in education. Membership of these committees is given below.

NATIONAL INSTRUCTIONAL TELEVISION LIBRARY

Melvin W. Barnes
Superintendent of Schools
Portland Public Schools
Portland, Oregon

Walter K. Beggs
Dean of Teachers College
University of Nebraska

William L. Brish
Superintendent of Schools
Hagerstown, Maryland

Robert H. Carleton
Executive Secretary
National Science Teachers Association

Kenneth A. Christiansen
Director of Television
Station WUFT
University of Florida

Lawrence G. Derthick
Assistant Executive Secretary for Educational Services
National Education Association

Clifford G. Erickson
Executive Dean
Chicago City Junior College

Elton Hocking
Department of Modern Languages
Purdue University

J. Harry LaBrum
President of School District
Philadelphia Board of Education

L. C. Larson
Associate Dean
Division of University Extension
Indiana University

Wanda Mitchell
Evanston Township High School

Thomas C. Pollack
Vice President and Secretary
New York University

Charles F. Ritch, Jr.
Superintendent of Schools
North Haven, Connecticut

Lee J. Wilborn
Assistant Commissioner for Instruction
Texas Education Agency

Paul W. F. Witt
Professor of Education
Columbia University

NORTHEASTERN REGIONAL INSTRUCTIONAL TELEVISION LIBRARY

Philip A. Annas
Executive Director
Division of Instruction
Maine State Department of Education

Max W. Barrows
Deputy Commissioner of Education &
Director of Instruction
Vermont State Department of Education

John W. Dunlop
General Manager
State of Maine Educational Television Network
University of Maine

Hartford N. Gunn, Jr.
General Manager
Station WGBH-TV
Cambridge, Massachusetts

E. B. Lyford
Executive Director
Station WCBB-TV, Bates College

Keith Nighbert
Manager
Station WENH-TV
University of New Hampshire

Frederick B. Rainsberry
Supervisor, School Broadcasts
Canadian Broadcasting Corporation

Donald E. Schein
Manager
Station WMHT
Schenectady, New York

Alan R. Stephenson
Director
The 21-Inch Classroom
Boston, Massachusetts

Donald Taverner
General Manager
Stations WQED & WQEX
Pittsburgh, Pennsylvania

GREAT PLAINS REGIONAL INSTRUCTIONAL TELEVISION LIBRARY

Walter K. Beggs
Dean of Teachers College
The University of Nebraska

Milton W. Bierbaum
Superintendent
School District of Maplewood-Richmond Heights
Maplewood, Missouri

Thomas A. Brady
Dean of Extra-Divisional Administration
University of Missouri

A. C. Breckenridge
Dean of Faculties
The University of Nebraska

Msgr. Edmund J. Goebel
Superintendent of Education
Milwaukee Catholic Archdiocese

Richard B. Hull
Chairman, Sub-Committee on Television of the
Commission on Research and Service
North Central Association of Colleges
and Secondary Schools

Kenneth Jonson
National Education Association
St. Paul, Minnesota

J. Martin Klotsche
Provost
The University of Wisconsin
Milwaukee, Wisconsin

Jack McBride
Director of Television
The University of Nebraska

W. C. Meierhenry
Assistant to the Dean
Teachers College
The University of Nebraska

Elaine Merkley
Administrative Assistant
Sioux City Public School

J. Fred Murphy
Former President
North Central Association of Colleges
and Secondary Schools

Kenneth E. Oberholtzer
Superintendent, Denver Public Schools

George Parkinson
Director
Milwaukee Vocational and Adult Schools

John C. Schwarzwald
General Manager
Twin City Area Educational Television Corporation
and Station KTCA-TV
St. Paul, Minnesota

Lawrence M. Stavig
President
Augustana College
Sioux Falls, South Dakota

GUIDE TO TELECOURSES

Terminology

Basic Instruction — Television lessons are intended as an essential part of the classroom instruction. Sometimes referred to as "major resource".

Supplementary Instruction — Instruction covers in general the same content as presented in the classroom but treats it in a different manner, thus highlighting the subject matter.

Enrichment Instruction — Instruction is related to classroom subject matter but presents desirable (although not essential) material that could not be presented conveniently in any other manner except through television.

ELEMENTARY COURSES

Arithmetic

ARITHMETIC FOR GRADE THREE 30 pupil lessons and 9 in-service lessons, 15 minutes each.

Videotape and Kinescope

ES-130

Supplementary instruction in arithmetic for third grade. Covers numeration, computation, problem-solving, measurement, and geometry. Broadcast originally weekly. Teacher's guide. Produced, 1963.

Teacher: Mrs. Dorcas Cavett

Producing Agency: Nebraska Council for Educational Television, Inc.

Distributor: same (contact Great Plains Regional Instructional Television Library for information)

Other Television Users: KHOL

EXPLORING MATHEMATICS 64 lessons, 20 minutes each.

Videotape

Enrichment instruction for fifth and sixth grade students who are advanced in the area of arithmetic. Purpose of the course is to challenge these students with material which deals more with the ideas than with the techniques of mathematical manipulation. Teacher's manual. Produced, 1961.

Teacher: Jerome Sachs

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: Same

Other Television Users: KUHT, WSIU-TV

LET'S FIGURE 27 lessons, 20 minutes each.

Videotape

ES-2

Supplementary instruction for fourth grade designed to blend the "traditional" and "new" approaches to arithmetic teaching. To do this, use is made of both current textbooks and materials from experimental projects such as S.M.S.G., the University of Illinois, and the Madison Projects. Originally broadcast weekly. Course includes study of the number system, the reasons behind mathematical procedures, fractions, measurement, and geometric figures. Magnetic blackboard and visual aids are used, and cooperation between teacher and pupil in the solving of problems is stressed. Teacher's manual. Produced, 1960-61.

Teacher: Joseph Moray

Producing Agency: KQED

Distributor: same

Other Television Users: KVIE, Los Angeles County Schools, WEDU

LET'S SOLVE IT 27 lessons, 20 minutes each.

Videotape

ES-3

Supplementary instruction for fifth grade designed to blend the "traditional" and "new" approaches to arithmetic teaching. To do this, use is made of both current textbooks and materials from experimental projects such as S.M.S.G., the University of Illinois, and the Madison Projects. Originally broadcast weekly. Series is geared to the discovering of logical structure and pattern leading to solution of a problem. Magnetic blackboard and visual aids are used, and cooperation between teacher and pupil in the solving of problems is stressed. Teacher's manual. Produced, 1961-62.

Teacher: Joseph Moray

Producing Agency: KQED

Distributor: same

Other Television Users: KVIE, Los Angeles County Schools, WEDU

PATTERNS IN ARITHMETIC — GRADE 4 69 pupil lessons, 14 minutes and 30 seconds each; 12 teacher lessons, 29 minutes and 30 seconds each. Kinescope and Videotape

ES-9

Basic instruction in arithmetic for the fourth grade, including 69 pupil lessons and 12 teacher lessons. The first course in a series produced under a project grant from the National Science Foundation and the Ford Foundation. Designed to teach pupils the "why" and the concepts behind computation skills while obtaining a better grasp of the skills. The development of concepts is emphasized. The student and teacher

materials are essential for effective utilization. Broadcast originally two times a week. Produced, 1960-61.

Teachers: Miss Marilyn Zweng and Henry Van Engen

Producing Agency: Wisconsin School of the Air

Distributor: WHA-TV

Other Television Users: Milwaukee (Wisc.) Public Schools, South Carolina ETV Center, Tri-County ETV Council

PATTERNS IN ARITHMETIC — GRADE 5 68 pupil lessons, 14 minutes and 30 seconds each; 12 teacher lessons, 29 minutes and 30 seconds each. Kinescope and Videotape

ES-10

Basic instruction in arithmetic for the fifth grade, including 68 pupil lessons and 12 teacher lessons. It continues the instruction begun in PATTERNS IN ARITHMETIC — GRADE 4 (described in this section). Topics covered include the solving of two-step problems and fractions. Basic properties of numbers are emphasized. The student and teacher materials are essential for effective utilization. Broadcast originally two times a week. Produced, 1962.

Teachers: Miss Marilyn Zweng and Henry Van Engen

Producing Agency: Wisconsin School of the Air

Distributor: WHA-TV

Other Television Users: Milwaukee (Wisc.) Public Schools, South Carolina ETV Center, Tri-County ETV Council

PATTERNS IN ARITHMETIC — GRADE 6 68 pupil lessons, 14 minutes and 30 seconds each; 12 teacher lessons, 29 minutes and 30 seconds each. Kinescope and Videotape

ES-11

Basic instruction in arithmetic for the sixth grade, including 68 pupil lessons and 12 teacher lessons. It continues the instruction in PATTERNS IN ARITHMETIC — GRADE 5 (described in this section). Again teaching of arithmetic is approached from a concept basis. The student and teacher materials are essential for effective utilization. Broadcast originally two times a week. Produced, 1962-63.

Teachers: Miss Marilyn Zweng and Henry Van Engen

Producing Agency: Wisconsin School of the Air

Distributor: WHA-TV

Other Television Users: Milwaukee (Wisc.) Public Schools, South Carolina ETV Center, Tri-County ETV Council

PRIMARY CONCEPTS IN MATHEMATICS 15 lessons, 14 minutes each. Film

ES-4

Supplementary instruction for third and fourth grades. Series introduces new concepts such as the number line, modular arithmetic, number patterns, algebraic concepts, and the use of the abacus. Visual aids are used to illustrate the material. Originally broadcast once a week. Series was initially designed as in-service education for teachers to show them how the concepts of modern mathematics can be effectively taught at the third and fourth grade levels. Teacher's manual. Produced, 1962.

Teachers: Miss Mary Dee and Miss Mabel Moberg

Producing Agency: Pennsylvania Department of Public Instruction

Distributor: same

Other Television Users: WBRE-TV, WFBG-TV, WFIL-TV, WGAL-TV, WHYY-TV, WJAC-TV, WQED, WSEE

TAKE A NUMBER 27 lessons, 20 minutes each.

Videotape

ES-5

Supplementary instruction for sixth grade arithmetic. Designed to lead the pupil to a discovery and understanding of the principles underlying the newer mathematical concepts and algorithms. The course covers the logical structure of number systems, geometric functions, factors, ratios, probability, decimals, graphs, statistics, etc. The teacher concentrates on direct teaching, using a number of visual aids. Originally broadcast twice a week. Teacher's guide. Produced, 1962.

Teacher: James Lucas

Producing Agency: KQED

Distributor: same

Other Television Users: Corning (N. Y.) Public Schools, WEDU

Arithmetic/The Arts

WONDERFUL WORLD OF NUMBERS 128 lessons, 20 minutes each.
Videotape

Supplementary instruction for sixth grade. Course aims to stimulate the student to see patterns in numbers and explore numerical relationships on his own. The majority of drill and re-interpretation of the new material is left to the classroom teacher. Originally broadcast four times a week. Teacher's manual. Produced, 1962.

Teacher: Miss Marlene Beigel

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

The Arts

ADVENTURES IN ART — 4 30 lessons, 30 minutes each.
Videotape ES-131

Basic instruction in art for fourth grade. Lessons are correlated with fourth grade subject matter as much as possible, and various activities presented stress the doing rather than the finished product. Broadcast originally weekly. Teacher's guide. Produced, 1963.

Teacher: Mrs. Joan Roth

Producing Agency: WKNO-TV

Distributor: same

ADVENTURES IN ART — 5 30 lessons, 30 minutes each.
Videotape ES-132

Basic instruction in art for fifth grade. Follows ADVENTURES IN ART — 4, also distributed by WKNO-TV and described in this section. Correlated with fifth grade subject matter as much as possible. Broadcast originally weekly. Teacher's guide. Produced, 1963.

Teacher: Mrs. Joan Roth

Producing Agency: WKNO-TV

Distributor: same

ANIMALS AND ART 13 lessons, 30 minutes each.
Videotape ES-107

Enrichment instruction in the arts for third and fourth grades. Presents animals to the pupils in a number of ways: as seen by artists of other times and places, as viewed in films, as studied in their evolutionary development. Discusses man's relationship to animals as pets, objects of reverence, helpers, and sources of food and clothing. Originally broadcast once a week. Teacher's guide. Produced, 1962.

Teacher: George Weinheimer

Producing Agency: Mohawk-Hudson Council on ETV

Distributor: New York State Department of Education

ART — 6 35 lessons, 30 minutes each. Kinescope ES-116

Basic instruction in art for sixth grade. Attempts to stimulate the pupils toward creative effort. Each lesson contains demonstration and comment, and a time for work and activity. Originally broadcast once a week. Teacher's guide. Produced, 1962-63.

Teacher: William Radcliffe

Producing Agency: KCTS-TV

Distributor: same

Other Television Users: KEPR-TV, KYVE-TV

ART AROUND THE WORLD — INTERMEDIATE 15 lessons, 25 minutes each. Videotape ES-21

Enrichment course in art for fourth, fifth and sixth grades. Designed to help develop an understanding of the world's many peoples through increased knowledge of their art. Demonstrations on many of the programs will suggest art projects which pupils can carry out in the classroom. Broadcast originally once every two weeks. Teacher's manual. Produced, 1961-62 (revised, 1962-63 and 1963-64).

ELEMENTARY

Teacher: Miss Cynthia Brumback

Producing Agency: Greater Washington Educational Television Association

Distributor: WETA-TV

Other Television Users: WEDH-TV

ART AT YOUR FINGERTIPS 30 lessons, 15 minutes each.
Videotape ES-30

Supplementary instruction for fifth grade, designed to stimulate creativity and individual expressiveness on the part of each pupil. The content includes drawing, block printing, painting, ceramics, and sculpture. Broadcast originally once a week. Teacher's guide. Produced, 1962.

Teacher: Miss Jane Dwyer

Producing Agency: WENH-TV

Distributor: Great Plains Regional Instruction Television Library for the states in its service area (see page 13). All others also contact the Great Plains Library which will arrange distribution from WENH-TV

ART OF MANY LANDS 15 lessons, 20 minutes each.
Videotape ES-120

Enrichment instruction in art for second and third grades. Designed to develop an understanding among peoples by teaching about the art of many countries. Demonstrations suggest art projects to be carried out in the classroom. Originally broadcast once every two weeks. Teacher's manual. Produced, 1963-64.

Teacher: Miss Cynthia Brumback

Producing Agency: Greater Washington Educational Television Association

Distributor: WETA-TV

CONTEMPORARY CRAFTS 30 lessons, 14 minutes each.
Videotape ES-6

Supplementary and enrichment instruction for intermediate grades in crafts simple enough to learn and develop for future use. Originally broadcast once a week. Series covers eight crafts: block printing, stencil printing, weaving, ceramics, jewelry, sculpture, puppets, and masks. Each craft is studied in a unit of programs, beginning with an introduction and demonstration, followed by presentations of simple projects in a "how-to-do-it" manner. Later the work of professional craftsmen is introduced, and the artistic design of the craft is pointed out. Teacher's manual. Produced, 1961.

Teacher: James Schwalbach

Producing Agency: Wisconsin School of the Air

Distributor: WHA-TV

Other Television Users: Milwaukee (Wisc.) Public Schools, South Carolina ETV Center, WTTW

THE CRAFTS STUDIO — PART I 13 lessons, 30 minutes each.
Videotape ES-67

Enrichment instruction for kindergarten and the first and second grades. Designed to introduce craft activities to be carried on in the primary grade classroom, to provide out-of-the-ordinary demonstrations, and to examine unusual materials and objects. Broadcast originally once a week. Teacher's guide. Produced, 1961-62.

Teacher: George Weinheimer

Producing Agency: Mohawk-Hudson Council on ETV

Distributor: New York State Department of Education

Other Television Users: WNED-TV

THE CRAFTS STUDIO — PART II 20 lessons, 30 minutes each.
Videotape ES-68

Enrichment instruction for kindergarten and the first and second grades. Continues the series CRAFTS STUDIO — PART I described in this section. Broadcast originally once a week. Teacher's guide. Produced, 1961-62.

Teacher: Mrs. Louanne Moon

Producing Agency: Mohawk-Hudson Council on ETV

Distributor: WMHT

The Arts

ELEMENTARY

HOW TO MAKE MUSIC 14 lessons, 30 minutes each.

Kinescope

ES-7

Supplementary instruction in musical theory, history and appreciation for intermediate grades. This is the first semester of this course where each lesson is built on one theme, but includes a variety of musical activities for the student such as listening, playing, singing, and music-reading. Format is primarily demonstration and participation. Originally broadcast once a week. Teacher's manual. Produced, 1958-59.

Teacher: Miss Marjorie Jean Malone

Producing Agency: State University of Iowa

Distributor: same

HOW TO MAKE MUSIC 14 lessons, 30 minutes each,

Kinescope

ES-65

Second Semester of State University of Iowa's HOW TO MAKE MUSIC described in this section. Produced, 1958-59.

Teacher: Mr. Lee Eitzen

Producing Agency: State University of Iowa

Distributor: same

KEYS TO MUSIC 20 lessons, 15 minutes each.

Kinescope

Basic instruction in music for the fourth, fifth, sixth, seventh and eighth grades. It incorporates both live action and animation to explain the function of musical symbols and the relationship of one note to another. The course is actually in the fundamentals of music, and the keyboard is used as the major teaching device. This series can be used by teachers who have little or no musical training. Broadcast once a week or every other week. Teacher's syllabus and student's workbook. Produced, 1958 (revised 1960).

Producing Agency: Thomas Organ Company

Distributor: same

MELODY TIME 30 lessons, 29 minutes each.

Videotape

ES-128

Enrichment instruction in music for third grade. Emphasizes singing and songs to develop the pupil's skills, understanding and appreciation of music. Originally broadcast once a week. Teacher's guide. Produced, 1963-64.

Teacher: Mrs. Nancy Brantley

Producing Agency: WDCN-TV

Distributor: same

MUSIC FOR LADS AND LASSES 14 lessons, 20 minutes each.

Videotape

ES-8

Supplementary or enrichment instruction for intermediate grades. The course demonstrates use of rhythm instruments and the autoharp; explores major and minor harmony; emphasizes correlation of classroom singing with parallel listening; teaches singing of rounds; and studies a panorama of American music. Originally broadcast once a week. Teacher's manual. Produced, 1960-61.

Teachers: Miss Joan Smith and Miss Joyce Stuermer

Producing Agency: KVIE

Distributor: same

Other Television Users: KQED

MUSIC FOR YOU 64 lessons, 20 minutes each.

Videotape

Supplementary instruction in the understanding and appreciation of music for intermediate grades. Originally broadcast twice a week. Course content is divided into six areas: singing, listening, rhythm, playing classroom instruments, creating, and reading. Teacher's manual. Produced, 1961.

Teacher: Mrs. Dolores Dudley

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: KETC, WHRO-TV

MUSIC FOR YOUNG PEOPLE 13 lessons, 30 minutes each.

Film

Enrichment instruction designed to introduce the instruments of an orchestra. Also deals with the music composed specifically for the various sections, such as the woodwinds, brass, percussion. Pupils participate in the lessons on television, along with noted musicians who demonstrate the instruments. No study guide. Produced, 1958.

Teachers: Yehudi Menuhin, Thomas Scherman, Julliard String Quartet, Stradivarius Society, and the New York Woodwind and Brass Quartets

Producing Agency: National Educational Television and Radio Center
Distributor: same

THE MUSIC ROOM—1 60 lessons, 15 minutes each.

Videotape

ES-39

Basic instruction in music for the first grade. Broadcast originally two times a week. Teacher's guide. Produced, 1962-63.

Teacher: Mrs. Anthony A. Walsh

Producing Agency: WKNO-TV

Distributor: same

THE MUSIC ROOM—2 60 lessons, 15 minutes each.

Videotape

ES-111

Basic instruction in music for the second grade. Follows WKNO-TV's MUSIC ROOM—1, also in this section. Originally broadcast twice a week. Teacher's guide. Produced, 1963.

Teacher: Mrs. Anthony Walsh

Producing Agency: WKNO-TV

Distributor: same

PAINTING THROUGH THE AGES 10 lessons, 29 minutes each.

Videotape

ES-103

Enrichment instruction in art for fifth through seventh grades. Series attempts to present the development of painting and to heighten the pupils' awareness of the motivations and techniques of artists. The first part of each lesson looks at paintings; the second, discusses art materials and media. Originally broadcast once a week. Teacher's manual and set of 25 classroom prints. Produced, 1963.

Teacher: Miss Freda Harshbarger

Producing Agency: Eugene Public Schools

Distributor: same

Other Television Users: KOAC-TV, KOAP

RHYMES, RHYTHMS AND ROUNDS 68 lessons, 15 minutes each.

Videotape

ES-40

Basic instruction in music for the fourth grade. The course includes listening experiences, singing, beginning experiences in harmony, continued use of rhythm and melody instruments, development of some ability to read music. Broadcast originally two times a week. Teacher's guide. Produced, 1962-63.

Teachers: Patricia Kloes and David Eddy

Producing Agency: KCTS-TV

Distributor: same

SEEING THROUGH ART 34 lessons, 30 minutes each.

Kinescope

ES-115

Basic instruction in art for fifth grade. Emphasizing creativity, the series attempts to develop drawing and painting skills, and in general a means by which the child can express his own awareness. Originally broadcast once a week. Teacher's guide. Produced, 1963-64.

Teacher: Jerry Conrad

Producing Agency: KCTS-TV

Distributor: same

Other Television Users: KEPR-TV, KYVE-T

The Arts/Foreign Languages

SINGING, LISTENING, DOING 64 lessons, 20 minutes each.

Videotape

Basic instruction in music for primary grades. Course is designed to provide experiences that will develop the pupil's skill, understanding and appreciation of music. Content of the course includes units of singing, listening, rhythm, playing classroom instruments, creating, and reading music. Originally broadcast two times a week. Teacher's manual. Produced, 1961-62.

Teacher: Mrs. Dolores Dudley

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: KETC, KQED, WSIU-TV

SONGS AND SOUNDS 68 lessons, 15 minutes each.

Videotape

ES-117

Basic instruction in music in third grade. Consists of varied experiences in singing, note-reading, and rhythmic response. Originally broadcast twice a week. Teacher's guide. Produced, 1963-64.

Teacher: Patricia Kloes

Producing Agency: KCTS-TV

Distributor: same

Other Television Users: KEPR-TV, KYVE-TV

TIME TO SING 70 lessons, 15 minutes each.

Kinescope

ES-43

Basic instruction in music for the first grade. This course attempts to give children the opportunity to develop their ability to listen attentively, use their singing voices, respond to rhythms, use simple rhythm and melody instruments, enjoy the printed language of music, and develop freedom of creative expression. Broadcast originally two times a week. Teacher's guide. Produced, 1961-62.

Teachers: Marjorie Watters and Robert Young

Producing Agency: KCTS-TV

Distributor: same

TIME TO SING AND PLAY 68 lessons, 15 minutes each.

Videotape

ES-50

Basic instruction in music for the second grade. This course attempts to give specific listening experiences, wide opportunities for physical response to music, continued use of rhythm and melody instruments, continued development of the awareness of the basic elements of music and opportunities for self expression. Broadcast originally two times a week. Teacher's guide. Produced, 1962-63.

Teachers: Marjorie Watters and David Eddy

Producing Agency: KCTS-TV

Distributor: same

Foreign Languages

AUF DEUTSCH, BITTE! 106 lessons, 15 minutes each.

Videotape

ES-53

Basic instruction in German for sixth grade. This is the third in Robbinsdale's German language series. The first two—KOMM, LACH UND LERNE! (4th grade) and HAND IN HAND INS KINDERLAND (5th grade), are also described in this section. Originally broadcast three times a week. Student text, teacher's manual and tape materials. Both text and tapes contain German vocabulary, idiomatic expressions, common phrases, songs, and games. Produced, 1962-63.

Teacher: Hedi Oplesch

Producing Agency: Robbinsdale Independent School District #281

Distributor: same

BONJOUR LES ENFANTS 128 lessons, 20 minutes each.

Videotape

Basic instruction in elementary conversational French for third through sixth grades. Presenting commonly used structural patterns of conver-

ELEMENTARY

sational French, this series develops simple patterns of French conversation in situations meaningful to this age group. Aural-oral method of teaching is used with frequent review and pattern drills. In addition, some material on the country and culture of France is included. Originally broadcast four times a week. Teacher's manual. Produced, 1961.

Teacher: Zelik Zeff

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

CONVERSATIONAL SPANISH I 64 lessons, 15 minutes each.

Videotape

ES-69

Basic instruction in Spanish for fourth grade. The methods used are conversation, simple questions and answers, singing, play acting, and other activities which emphasize hearing and speaking the language. Grammar is introduced as needed. Broadcast originally twice a week. Teacher's guide. Produced, 1962.

Teacher: H. H. Johns, Jr.

Producing Agency: Dallas Independent School District

Distributor: same

Other Television Users: KERA-TV

CONVERSATIONAL SPANISH II 64 lessons, 15 minutes each.

Videotape

ES-70

Basic instruction in Spanish for fifth grade. It is a continuation of Dallas' CONVERSATIONAL SPANISH I also described in this section. Produced, 1962.

Teacher: H. H. Johns, Jr.

Producing Agency: Dallas Independent School District

Distributor: same

Other Television Users: KERA-TV

CONVERSATIONAL SPANISH III 64 lessons, 15 minutes each.

Videotape

ES-112

Basic instruction in Spanish for sixth grade. Follows Dallas' CONVERSATIONAL SPANISH II described in this section. Produced, 1963.

Teacher: H. H. Jones, Jr.

Producing Agency: Dallas Independent School District

Distributor: same

Other Television Users: KERA-TV

FRENCH 87 lessons, 15 minutes each.

Kinescope

ES-12

Basic instruction in speaking and reading elementary French. Originally broadcast three times a week. The method of vocabulary instruction emphasizes seeing the object, hearing the word, and seeing the word as nearly simultaneously as possible. Pronunciation and meaning are stressed. Student's guide. Produced, 1959-60.

Teachers: Richard J. Cummings and Miss Madeleine Quarez

Producing Agency: KUED

Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information)

FRENCH II 64 lessons, 20 minutes each.

Videotape

Basic instruction in second year French for fifth or sixth grade. It is centered around actual conversations in real-life situations. The sentence patterns are those of spoken French, with the meanings given in colloquial American-English. Through exercises and teaching games the pupil is to learn to manipulate these speech patterns to make up his own conversations. In the second semester reading French is begun. Originally broadcast twice a week. Teacher's guide. Produced, 1962.

Teacher: Zelik Zeff

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Foreign Languages

ELEMENTARY

HABLEMOS ESPANOL 28 lessons, 15 minutes each.

Videotape

ES-14

Basic instruction in elementary Spanish designed for schools with no previous foreign language instruction programs. Prepared so that the classroom teacher is expected to do practicing and followups in the classroom. The approach is strictly conversational. Originally broadcast once a week. Teacher's manual, daily lesson plans, tests, and LP's. Produced, 1960-61. (This can be followed by SIGAMOS HABLANDO also distributed by KVIE and described in this section).

Teacher: Edgardo Torres

Producing Agency: KVIE

Distributor: same

HABLEMOS ESPANOL 64 lessons, 20 minutes each.

Videotape

Basic or supplementary instruction in Spanish for fifth grade. Course is the second in the Midwest Program on Airborne Television Instruction's Spanish series. It follows QUE TAL, AMIGOS, also described in this section. Develops oral production of a given set of dialogues within a minimal vocabulary. Uses the aural-oral method. Originally broadcast twice a week. Teacher's guide. Produced, 1962.

Teacher: Sylvia Herrera

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: WOI-TV

HABLO ESPANOL 100 lessons, 15 minutes each.

Videotape

ES-15

Basic instruction in elementary Spanish for fourth and fifth grades. Teaching is done by the audio-lingual method in the setting of a family situation. Content is divided into units such as the family, the house, the school. Vocabulary and functional grammar is taught so that the pupil becomes an active participant by repeating words, answering questions, using phrases. Originally broadcast twice a week. Teacher's manual. Produced, 1961-62.

Teacher: Fred Manzanares

Producing Agency: Denver Public Schools

Distributor: Great Plains Regional Instructional Television Library for states in its service area (see page 13). All others also contact the Great Plains Library which will arrange distribution from Denver Public Schools

HABLO MAS ESPANOL 68 lessons, 15 minutes each.

Videotape

ES-16

Basic instruction in second year Spanish for fifth and sixth grades. Most of the teaching is done by the audio-lingual method in the dramatic setting of a family situation. The last few lessons introduce phonics and beginning reading skills. Vocabulary and functional grammar is taught so that the student becomes an active participant by repeating words, answering questions, using phrases. Originally broadcast twice a week. Teacher's manual. Produced, 1961-62.

Teacher: Fred Manzanares

Producing Agency: Denver Public Schools

Distributor: Great Plains Regional Instructional Television Library for states in its service area (see page 13). All others also contact the Great Plains Library which will arrange distribution from Denver Public Schools

HAND IN HAND INS KINDERLAND 106 lessons, 15 minutes each.

Videotape

ES-71

Basic instruction in German for fifth grade. It is the second in Robbinsdale's German language series. The others — KOMM, LACH UND LERNE! (4th grade) and AUF DEUTSCH, BITTE! (6th grade), are also described in this section. Originally broadcast three times a week. Student's text and activity sheets, and teacher's manual and weekly drilltapes. Produced, 1962.

Teacher: Hedi Oplesch

Producing Agency: Robbinsdale Independent School District #281

Distributor: same

HOLA, NINOS 53 lessons, 15 minutes each.

Kinescope

ES-17

Basic or supplementary instruction for fifth through seventh grades. Course is the second-year level of KQED's Spanish series including SALUDOS AMIGOS also described in this section. Course utilizes the conversational approach to build a basic Spanish vocabulary. This is developed in life situations through the oral-aural method, and supplemented by material on the history, folklore, and traditions of America's Spanish heritage. Format is chiefly dramatic, including skits, songs and dialogues correlated with pictures, objects, and familiar experiences. Originally broadcast twice a week. Teacher's manual. Produced, 1959-60.

Teacher: Manuel Guerra

Producing Agency: KQED

Distributor: same

Other Television Users: Pennsylvania Department of Public Instruction, Pennsylvania Educational Television Network, San Joaquin Valley ETV Association, Tri-County ETV Council, WHRO-TV, WKNO-TV

KOMM, LACH UND LERNE! 106 lessons, 15 minutes each.

Videotape

ES-72

Basic instruction in German for fourth grade. It is the first in Robbinsdale's German language series, which includes HAND IN HAND INS KINDERLAND and AUF DEUTSCH, BITTE! also described in this section. Children are introduced to phrases and sentences typically used by German children in family, neighborhood and school situations. Course is designed to help children acquire conversation skill on topics of daily concern, appreciation of another culture and therefore greater appreciation of their own, and a sense of correlation between this and other fourth grade subjects. Broadcast originally three times a week. Student's text and activity sheets, and teacher's manual and weekly drilltapes. Produced, 1961.

Teacher: Hedi Oplesch

Producing Agency: Robbinsdale Independent School District #281

Distributor: same

PANCHITO Y LOS ANIMALES 35 lessons, 10 minutes each.

Kinescope

ES-18

Supplementary instruction in conversational Spanish designed for fourth and fifth grades. It proposes through the teaching of basic Spanish, to develop an appreciation and understanding of people in Spanish-speaking countries. Series is a continuation of KCTS-TV's, ROSITA Y PANCHITO, also described in this section. Course material is based on the story, "Chiquito y Cola Rizada" about a Mexican boy, Panchito, who wants to buy a burro and a birthday present for his mother. Teacher's manual. Produced, 1959.

Teacher: Mrs. Mercedes Edgerton

Producing Agency: Seattle Public Schools

Distributor: KCTS-TV

Other Television Users: KLSE, KVOS-TV, WKNO-TV

PARLONS FRANCAIS I 60 pupil and 15 teacher preparation lessons, 15 minutes each. Film

Basic instruction in elementary French for third or fourth grades which emphasizes the spoken aspect of the language before shifting to reading, writing, and grammar. Supporting material such as songs, puppets, actors (both children and adults) combine with the active participation of the classroom teacher. An additional fifteen teacher-preparation lessons are designed to accompany the series. Student's guide and teacher's manual. Produced, 1960-61.

Teacher: Mrs. Anne Slack

Producing Agency: Modern Language Project

Distributor: Heath de Rochemont Corporation

Television Users: CHCT-TV, Hagerstown (Md.) Closed Circuit, KCTS-TV, KETA-TV, KETC, KETV, KOAC-TV, KOAP, KOED-TV, KOKH-TV, KQED, KRMA-TV, KTCA-TV, KUED, KUON-TV, KUSD-TV, KVCR-TV, KXLF-TV, WAIQ, WBIQ, WBOC-TV, WCBW, WCET, WCIQ, WCNY-TV, WDIQ, WEGA-TV, WETA-TV, WGTE-TV, WHA-TV, WHRO-TV, WMEB-TV, WMHT, WMSB, WNBK-TV, WNDT, WNED-TV, WNTV, WOSU-TV, WOUB-TV, WQED, WSIU-TV, WTTW, WTVS, WUNC-TV, WXGA-TV, WYES-TV

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PARLONS FRANCAIS II 60 pupil lessons and 15 teacher preparation lessons, 15 minutes each. **Film**

Basic instruction in French for fourth or fifth grades. An additional fifteen teacher-preparation lessons are designed to accompany the series. See in this section Heath de Rochemont Corporation's **PARLONS FRANCAIS I**, for course description. Produced, 1962-63.

Teacher: Mrs. Anne Slack

Producing Agency: Modern Language Project

Distributor: Heath de Rochemont Corporation

Television Users: CHCT-TV, KCTS-TV, KETA-TV, KETC, KETV, KOAC-TV, KOAP, KOED-TV, KOKH-TV, KQED, KTCA-TV, KUED, KUON-TV, KUSD-TV, KXLF-TV, WAIQ, WBIQ, WBOC-TV, WCBB, WCET, WCIQ, WDIQ, WEDU, WETA-TV, WETV, WGBH-TV, WHA-TV, WHRO-TV, WHYI-TV, WILL-TV, WMHT, WMSB, WNEB-TV, WNDT, WNED-TV, WOSU-TV, WQED, WSIU-TV, WTTW, WTVS, WUNC-TV, WYES-TV

PARLONS FRANCAIS III 60 pupil lessons, 15 minutes each; 11 teacher preparation lessons, 30 minutes each. **Videotape**
(Film Revision Available after September 1964)

Basic instruction in French for fifth or sixth grades. An additional eleven half-hour lessons are for teacher preparation. See in this section Heath de Rochemont's **PARLONS FRANCAIS I**, for course description. Produced, 1961-62.

Teacher: Mrs. Anne Slack

Producing Agency: Modern Language Project

Distributor: Heath de Rochemont Corporation

Television Users: KETA-TV, KETV, KOED-TV, KUON-TV, WAIQ, WBIQ, WCIQ, WDIQ, WEDU, WENH-TV, WGBH-TV, WHA-TV, WHYI-TV, WILL-TV, WMHT, WMSB, WNED-TV, WOSU-TV, WSIU-TV, WTVS, WUNC-TV, WYES-TV

PASO A PASO 64 lessons, 20 minutes each. **Videotape**

Basic or supplementary instruction in Spanish for sixth grade. Designed to follow **QUE TAL**, **AMIGOS** and **HABLEMOS ESPANOL**, both also distributed by the Midwest Program on Airborne Television Instruction and described in this section. Originally broadcast once a week. Teacher's guide. Produced, 1963.

Teacher: Benito Lueras

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

PRIMARY SPANISH 116 lessons, 15 minutes each.

Videotape

ES-73

Basic instruction in Spanish for first, second and third grades. The aural-oral method is used exclusively. No written Spanish is allowed in either the television or classroom sections of the lessons. Broadcast originally four times a week. Teacher's guide. Produced, 1962-63.

Teacher: Aida Barrera

Producing Agency: KLRN

Distributor: same

QUE TAL, AMIGOS 128 lessons, 20 minutes each. **Videotape**

Basic or supplementary instruction in Spanish for fourth grade. This is the first in the series including **HABLEMOS ESPANOL** and **PASO A PASO**, all distributed by the Midwest Program on Television Instruction and described in this section. It aims to develop the pupil's ability to speak and comprehend simple conversation in Spanish. The aural-oral method is used in life situations meaningful to this age group. Also seeks to develop an interest and appreciation for Hispanic people and their culture. Originally broadcast four times a week. Teacher's manual. Produced, 1961.

Teacher: Benito Lueras

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: KQED, WGTW, WOI-TV, WXGA-TV

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ROSITA Y PANCHITO 30 lessons, 10 minutes each.

Kinescope

ES-23

Enrichment instruction which proposes, through the teaching of simple basic Spanish, to develop an appreciation and better understanding of people in Spanish-speaking countries. Series is based on the "Children of America" books published by Harr Wagner and Company. Intended to be used in conjunction with social studies. Originally broadcast twice a week. Teacher's manual. Produced, 1958. (This can be followed by **PANCHITO Y LOS ANIMALES**, also distributed by KCTS-TV and described in this section).

Teacher: Mrs. Mercedes Edgerton

Producing Agency: Seattle Public Schools

Distributor: KCTS-TV

Other Television Users: KEPR-TV, KLSE, KVOS-TV, WKNO-TV

RUSSIAN 89 lessons, 30 minutes each.

Kinescope

ES-13

Basic instruction for first through sixth grades in elementary Russian. This series was produced under a grant with National Defense Education Act (Title VII) funds. It was originally broadcast three times a week. Speaking, writing and reading Russian are all taught through lectures and illustrations. Detailed demonstrations of writing printed and cursive letters are included. Student's guide. Produced, 1959-60.

Teacher: Andre Anastasion

Producing Agency: KUED

Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information)

SALUDOS AMIGOS 34 lessons, 15 minutes each.

Kinescope

ES-24

Basic or supplementary instruction in Spanish for fourth through sixth grades. This is the first in KQED's Spanish series including **HOLA**, **NINOS** also described in this section. Proposes to teach as quickly and effectively as possible, utilizing the conversational approach. Course presents the beginning of a basic Spanish vocabulary, developed in life situations via the oral-aural method and supplemented by material on the history, folklore and traditions of America's Spanish heritage. Format is chiefly dramatic, including skits, songs and dialogues, correlated with pictures, objects, and experience. Reading and writing it kept at a minimum. Teacher's manual. Produced, 1959.

Teacher: Manuel Guerra

Producing Agency: KQED

Distributor: same

Other Television Users: Cleveland Public Schools, KVIE, Pennsylvania Department of Public Instruction, San Joaquin Valley ETV Association, Tri-County ETV Council, WKNO-TV.

SIGAMOS HABLANDO 28 lessons, 15 minutes each.

Videotape

ES-25

Basic instruction for intermediate grades. Course is the second year sequence of KVIE's **HABLEMOS ESPANOL**, also described in this section. Its content is basically conversational with very little writing and reading. Grammatical structures are taught through dialogues and vocabulary, as part of sentences rather than single words. Some material on the Spanish culture is also introduced. Teacher's manual. Produced, 1962.

Teacher: Edgardo Torres

Producing Agency: KVIE

Distributor: same

SPANISH I 128 lessons, 14 minutes and 30 seconds each.

Videotape

ES-26

Basic instruction in Spanish for the fourth grade. It is the first of the Lansing Public Schools' three year series [see **SPANISH II** (5th grade) and **SPANISH III** (6th grade) also in this section]. Course is taught through conversational method with new vocabulary presented in a manner appealing to both oral and visual senses. Vocabulary, coordinated within the three year sequence, is designed to cover the everyday activities of the pupil. Background cultural material is also included. A puppet family is used to illustrate Latin American homes,

Foreign Languages/General

customs and habits. Audio tapes of the review lessons are available for classroom utilization. Originally broadcast four times each week. Teacher's manual. Produced, 1959-60.

Teacher: Mrs. Martha Murray

Producing Agency: WMSB

Distributor: Lansing Public Schools

SPANISH II 128 lessons, 14 minutes and 30 seconds each.

Videotape

ES-27

Basic instruction in Spanish for the fifth grade. It is the second part of the Lansing Public Schools' three year series. See its SPANISH I also in this section for course description. Produced, 1960-61.

Teacher: Mrs. Martha Murray

Producing Agency: WMSB

Distributor: Lansing Public Schools

SPANISH II 64 lessons, 20 minutes each. **Videotape**

Basic instruction in second year Spanish for fifth or sixth grades. It develops a given set of dialogues within a minimal vocabulary. The topics of these dialogues are designed to relate to the pupils' everyday activities and interests. This course uses the aural-oral method. It attempts to create an interest in the Hispanic peoples and their way of life. Broadcast originally twice a week. Teacher's guide. Produced, 1962.

Teacher: Miss Sylvia Herrera

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: WOI-TV

SPANISH III 61 lessons, 14 minutes and 30 seconds each.

Videotape

ES-28

Basic instruction in Spanish for the sixth grade. It is the third of the Lansing Public Schools' three year series. See its SPANISH I also in this section for course description. Produced, 1962.

Teacher: Mrs. Martha Murray

Producing Agency: WMSB

Distributor: Lansing Public Schools

SPANISH QUARTER — 4 30 lessons, 15 minutes each.

Videotape

ES-133

Basic instruction in Spanish for fourth grade. Uses aural-oral method. Originally broadcast weekly. Teacher's guide and records. Produced, 1960 (revised, 1962).

Teacher: Sister Mary Karen O.S.S.

Producing Agency: Catholic Schools of the Archdiocese of Milwaukee

Distributor: same

SPANISH QUARTER — 5 30 lessons, 15 minutes each.

Videotape

ES-134

Basic instruction in Spanish for fifth grade. Follows SPANISH QUARTER — 4 also distributed by Catholic Schools of the Archdiocese of Milwaukee and described in this section. Originally broadcast weekly. Teacher's guide and records. Produced, 1960 (revised, 1962).

Teacher: Sister Mary Karen O.S.S.

Producing Agency: Catholic Schools of the Archdiocese of Milwaukee

Distributor: same

SPANISH QUARTER — 6 30 lessons, 15 minutes each.

Videotape

ES-135

Basic instruction in Spanish for sixth grade. Follows SPANISH QUARTER — 5, also distributed by Catholic Schools of the Archdiocese of Milwaukee and described in this section. Originally broad-

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cast weekly. Teacher's guide and records. Produced, 1960 (revised, 1962).

Teacher: Sister Mary Karen O.S.S.

Producing Agency: Catholic Schools of the Archdiocese of Milwaukee

Distributor: same

UNA AVENTURA ESPANOLA 90 lessons, 15 minutes each.

Videotape and Kinescope

Basic instruction in elementary Spanish for fourth, fifth, and sixth grades. Originally broadcast three times a week. Teacher's guide, student's workbook and recordings. Produced, 1959 (revised, 1963).

Teacher: Miss Yvette del Prado

Producing Agency: Pasadena Public Schools

Distributor: Heath de Rochemont Corp.

Other Television Users: KCOP, KOAC-TV, KOAP, KQED, KUAT, KVCR-TV, KVIP-TV, WUNC-TV

YA HABLAMOS ESPANOL — LEVEL ONE 96 lessons, 15 minutes each. **Videotape**

ES-74

Basic instruction in Spanish for the fourth grade. The course is the first of the Minnesota Council for School Television's three year Spanish series, YA HABLAMOS ESPANOL. It follows an audio-lingual approach to the language. This course was broadcast originally three times a week, with audio tapes used two times a week. Teacher's manual and tapes. Last revised, 1960-61. (There is also a teacher's YA HABLAMOS ESPANOL—SPANISH FOR TEACHERS, see In-Service section).

Teacher: Howard Hathaway

Producing Agency: Minnesota Council for School Television

Distributor: same

YA HABLAMOS ESPANOL — LEVEL TWO 80 lessons, 15 minutes each. **Videotape**

ES-75

Basic instruction in Spanish for the fifth grade. Course continues the audio-lingual approach in YA HABLAMOS ESPANOL — LEVEL ONE (described in this section), but at the middle of the year introduces reading and writing of Spanish. Broadcast originally three times a week for first sixteen weeks, two times a week for the second sixteen weeks. Teacher's and student's manuals. Last revised, 1961-62.

Teacher: Howard Hathaway

Producing Agency: Minnesota Council for School Television

Distributor: same

YA HABLAMOS ESPANOL — LEVEL THREE 96 lessons, 15 minutes each. **Videotape**

ES-76

Basic instruction in Spanish for the sixth grade, continuing the audio-lingual approach of YA HABLAMOS ESPANOL — LEVEL ONE and LEVEL TWO (described in this section). Broadcast originally three times a week, with audio tapes used two times a week for additional practice and drill. Teacher's manual, student's manual and tapes. Produced, 1962-63.

Teacher: Howard Hathaway

Producing Agency: Minnesota Council for School Television

Distributor: same

General

GRADE ONE 34 lessons, 20 minutes each.

Videotape

ES-139

Supplementary instruction for first grade. Specific lessons or blocks of lessons cover reading, arithmetic, science, social studies, and art. Teacher's guide. Produced, 1963-64.

Teacher: Mrs. Louise Rairden

Producing Agency: Cincinnati Public Schools

Distributor: same

General/Health and Safety/Language Arts

GRADE TWO 32 lessons, 20 minutes each.

Videotape

ES-140

Supplementary instruction for second grade. Specific lessons or blocks of lessons cover science, reading, word study, arithmetic, social studies, music, handwriting. Teacher's guide. Produced, 1963-64.

Teacher: Mrs. Louise Rairden

Producing Agency: Cincinnati Public Schools

Distributor: same

GRADE THREE 27 lessons, 20 minutes each.

Videotape

ES-141

Supplementary instruction for third grade. Specific lessons or blocks of lessons cover word study, arithmetic, science and social studies. Teacher's guide. Produced, 1963-64.

Teacher: Mrs. Louise Rairden

Producing Agency: Cincinnati Public Schools

Distributor: same

KINDERGARTEN 18 lessons, 20 minutes each.

Videotape

ES-138

Supplementary instruction for kindergarten. Covers, science, arithmetic, social studies, art, and reading. Teacher's guide. Produced, 1963-64.

Teacher: Mrs. Louise Rairden

Producing Agency: Cincinnati Public Schools

Distributor: same

LEARN WITH ME 104 lessons, 12-14 minutes each.

Videotape

ES-77

Enrichment instruction for primary grades. The course touches on the fields of literature, music, art, arithmetic, science, health, and social studies. It features field trips, demonstrations and illustrations otherwise generally unavailable to such young pupils. Broadcast originally three times a week (one time for each of the grade levels). Teacher's guide. Produced, 1963-64.

Teachers: Mrs. Alice Kousser and Mrs. Mimi E. Dunn

Producing Agency: WDCN-TV

Distributor: same

Other Television Users: Corning (N. Y.) Public Schools, WTTW

Health and Safety

SAFETY FIRST 10 lessons, 20 minutes each.

Videotape and Kinescope

ES-78

Supplementary instruction for first grade. The purpose of the series is to guide each child to a growing awareness that the safe way is the fun way. The lessons introduce the children to accident prevention in the home, on the way to school, and at school. Broadcast intermittently. Teacher's manual. Last revised, 1962.

Teacher: Mrs. Gladys S. Anderson

Producing Agency: Minneapolis Public Schools

Distributor: same

Language Arts

ALL THAT I AM 16 lessons, 20 minutes each.

Videotape

Supplementary instruction in creative dramatics for the first and second grade. The purpose is to inspire children to create and express themselves. It is concerned with the individual child's developing a sense of being, an awareness of what goes into the full experiencing

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of the present moment, and an appreciation of the term, I AM. Broadcast originally once a week. Teacher's guide. Produced, 1962.

Teacher: Rita Criste

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: WOI-TV, WSIU-TV

CHILDREN'S LITERATURE 30 lessons, 15 minutes each.

Videotape and Kinescope

ES-145

Enrichment instruction for kindergarten and the first, second, and third grades. Designed, through story-telling technique, to reveal how other people live, think, and feel. The series attempts to assist the classroom teacher in developing desirable attitudes and values in the pupils, and to serve as a stimulant to creative activities and improved language arts utilization. Liberal use of art, music, puppets, and film. Broadcast originally once a week. Teacher's guide. Produced, 1962-63.

Teacher: Mrs. Dolores Dudley

Producing Agency: Nebraska Council for Educational Television, Inc.

Distributor: Great Plains Regional Instructional Television Library for states in its service area (see page 13). All others also contact the Great Plains Library which will arrange distribution from Nebraska Council for Educational Television, Inc.

Other Television Users: Canadian Broadcasting Corporation, KHOL, South Carolina ETV Center, Southern Colorado ETV Association

EXPLORING OUR LANGUAGE 30 lessons, 25 minutes each.

Videotape

ES-124

Supplementary instruction in the language arts for the intermediate grades. Covers poetry, creative writing, cartoons, newspapers, and dramatics. Broadcast originally once a week. Teacher's manual. Produced, 1962-63 (revised, 1963-64).

Teacher: John N. Robbins, Jr.

Producing Agency: WETA-TV

Distributor: same

LEARNING OUR LANGUAGE 64 lessons, 20 minutes each.

Videotape

Supplementary instruction for third and fourth grades aimed at helping the pupil develop his skill in interpreting and communicating meaning. This is done by stimulating his interest in the English language, exercising his power of observation and ability to reason, and extending his reading interest. Series consists of five units: dictionary skills, listening skills, creative writing, speaking and spelling, extending reading interest. Originally broadcast two times a week. Teacher's manual. Produced, 1961-62.

Teacher: Miss Adah Miner

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: KCTS-TV, KETC, WHA-TV, WHRO-TV, WQED, WSIU-TV

LET'S READ A BOOK 56 lessons, 30 minutes each.

Kinescope

ES-34

Supplementary instruction for third and fourth grades. The course is designed to motivate students to enjoy reading and encourage them to read more. A story selected from the Iowa State Educational Association's recommended book list is read on each program. Originally broadcast once a week. Visuals are used to illustrate the story, and other classroom activities are coordinated with the reading. Teacher's manual. Produced, 1956-58.

Teacher: Joe L. Mauck

Producing Agency: State University of Iowa

Distributor: same

Language Arts/Physical Education

LET'S TALK 28 lessons, 15 minutes each Videotape **ES-31**

Basic instruction for primary grades designed to improve the pupil's speech. Originally broadcast once a week. Emphasis is placed on the use of speech in a meaningful context rather than in drill or exercises. A portion of each lesson is directed to a review of the earlier lessons in order to reinforce earlier learning. Sounds chosen for study are those that are most difficult for children in the primary grades. Teacher's manual. Produced, 1960-61.

Teacher: Donald L. Robinson

Producing Agency: KVIE

Distributor: same

Other Television Users: KQED

LISTEN AND SAY 16 lessons, 20 minutes each. Videotape

Basic or supplementary instruction in the language arts for the first and second grades. Attempts to make the pupils aware of some of the consonant sounds in their reading. Also teaches them how to produce these sounds correctly. Begins ear-training procedures. Originally broadcast once a week. Teacher's manual. Produced, 1963.

Teacher: Miss Adah Miner

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: WENH-TV

THE MAGIC WORDS 30 lessons, 15 minutes each. Videotape **ES-123**

Supplementary instruction in language arts for the primary grades. Deals with reading, writing, speaking and listening. Designed to present a number of exciting and enjoyable experiences through poetry, prose, creative dramatics, oral reading and story telling. Originally broadcast once a week. Teacher's manual. Produced, 1962-63 (revised, 1963-64).

Teacher: John M. Robbins, Jr.

Producing Agency: WETA-TV

Distributor: same

Other Television Users: WNBT

OUR LIVING LANGUAGE 14 lessons, 20 minutes each. Videotape **ES-36**

Basic instruction for the intermediate grades. Originally broadcast once a week. Course covers writing skills, sentence structure, newswriting, language growth, dictionary and library usage, reporting, poetry, choral speaking, and spelling skills. Teacher's manual. Produced, 1960-61.

Teacher: Miss Dorothy McDonald

Producing Agency: KVIE

Distributor: same

Other Television Users: KQED

SOUNDS TO SAY 25 lessons, 15 minutes each. Videotape **ES-81**

Supplementary instruction in reading for the first and second grades. It stresses ear training which recent research has indicated is one of the keys to successful reading. This is the ability to hear and distinguish between various sounds, and the lessons are planned to stimulate interest in words as well as develop this awareness of difference in sounds. Originally broadcast once a week. Teacher's syllabus. Produced, 1962.

Teacher: Miss Joanne Desmond

Producing Agency: The 21-Inch Classroom

Distributor: same

Other Television Users: WMHT, WNBT

TALKING TIME 36 lessons, 15 minutes each. Videotape **ES-83**

Supplementary instruction in speech for the first and second grades. Purpose of the series is to develop sensitivity to sounds through phonetic analysis. Although the lessons are not intended for remedial speech,

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they nevertheless may be of some value in this teaching. Broadcast originally once a week. Teacher's guide. Produced, 1963.

Teacher: Miss Ellen Regan

Producing Agency: Southern Finger Lakes Educational Television Council

Distributor: same

TALKING TOWN 36 lessons, 14 minutes each. Videotape **ES-84**

Supplementary instruction in speech improvement. This course is designed as a guide for teachers who want to incorporate speech activities into kindergarten and first grade. The lessons are planned in accordance with the pattern of language development. They attempt to stimulate the pupil's auditory perception and discrimination of speech sounds. The teacher brings the lessons to the pupils from Talking Town, a magic place where mysterious and fanciful things happen. Broadcast originally once a week. Teacher's manual. Produced, 1957-58 (revised, 1962-63).

Teachers: Vaughan Weber and Mrs. Jane S. Crockett

Producing Agency: WQED

Distributor: same

Physical Education

HEALTH AND PHYSICAL EDUCATION 10 lessons, 15 minutes each. Videotape **ES-835**

Supplementary instruction in health for fourth grade. The five major health areas covered are fitness, mental health, safety, body systems, and protecting senses. Broadcast originally once a week. Teacher's guide. Produced, 1962-63.

Teacher: Miss Mary Rae Josephson

Producing Agency: Minneapolis Public Schools

Distributor: same

PHYSICAL EDUCATION FOR FIRST AND SECOND GRADES 17 lessons, 15 minutes each. Videotape **ES-136**

Supplementary instruction in physical education for the first and second grades. Presents a mixture of indoor and outdoor, quiet and active games to develop skills appropriate to this age level. No elaborate playground equipment is used and all activities are demonstrated in an ordinary school-time setting. Originally broadcast every other week. Teacher's guide. Produced, 1962.

Teacher: Mrs. Bonnie Gilliom

Producing Agency: Columbus Public Schools and WOSU-TV

Distributor: Great Plains Regional Instructional Television Library for states within its service area (see page 13). All others also contact The Great Plains Library which will arrange distribution from WOSU-TV

Other Television Users: Oklahoma City Public Schools, Southern Colorado ETV Association

PHYSICAL EDUCATION FOR THIRD AND FOURTH GRADES 18 lessons, 15 minutes each. Videotape **ES-137**

Supplementary instruction in physical education for the third and fourth grades. Keyed to the seasons of the year, presents both indoor and outdoor games. Also active and quiet activities. Sequel to PHYSICAL EDUCATION FOR FIRST AND SECOND GRADES, also produced by the Columbus (O.) Public Schools and WOSU-TV and listed in this section. Originally broadcast every other week. Teacher's guide. Produced, 1962.

Teacher: Mrs. Bonnie Gilliom

Producing Agency: Columbus Public Schools and WOSU-TV

Distributor: Great Plains Regional Instructional Television Library for states within its service area (see page 13). All others also contact the Great Plains Library which will arrange distribution from WOSU-TV.

Other Television Users: Alachua County Public Schools, Oklahoma City Public Schools, Southern Colorado ETV Association

Science

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ADVENTURES IN SCIENCE 72 lessons, 28 minutes and 30 seconds each. **Videotape** **ES-38**

Basic instruction in sixth grade science. Purpose is to improve usual level of science taught by adding visuals, demonstrations, experiments, guests, filmed field trips and other features inaccessible to most classrooms. Student's guide and teacher's manual. Produced, 1960-61.

Teacher: Mrs. Grace Batson
Producing Agency: WDCN-TV
Distributor: same

ALL ABOUT WATER 17 lessons, 30 minutes each. **Kinescope** **ES-143**

Basic instruction in conservation for fourth through eighth grades. Originally broadcast weekly. Teacher's guide. Produced, 1961.

Teacher: George Worley
Producing Agency: KNME-TV
Distributor: same
Other Television Users: KOET, KUAT

ALL ABOUT YOU 10 lessons, 15 minutes each. **Videotape** **ES-113**

Supplementary instruction in science for first grade. Deals basically with health and physiology. Uses the problem-solving approach to help the child understand how his body works, how to care for it, and how to use his senses to learn about his environment. Originally broadcast every other week. Teacher's guide. Produced, 1963-64.

Teacher: Mrs. Louise Sperling
Producing Agency: The 21-Inch Classroom
Distributor: same
Other Television Users: WCBB, WMEB-TV

DISCOVERY 39 lessons, 30 minutes each. **Kinescope**

Supplementary or enrichment instruction for intermediate grades dealing with discovery of natural phenomena in the world. Subjects covered range from a study of mountain life zones and the life of Charles Darwin, to how bats fly by sonar. Living plants and animals as well as visuals, are used to show how animals are adapted to their environments, and how plants, animals, and man are inter-related. Originally broadcast once a week. No study guide. Produced, 1956-57.

Teacher: Mrs. Mary Lela Grimes
Producing Agency: National Educational Television and Radio Center
Distributor: same

DISCOVERY AT THE BROOKFIELD ZOO 13 lessons, 30 minutes each. **Kinescope**

Supplementary instruction for intermediate grades. Series uses filmed sequences as well as visuals to introduce the strange inhabitants of the Brookfield Zoo in Chicago. Content deals primarily with questions about the animal kingdom, their relation to one another and their environment. No study guide. Produced, 1958.

Teacher: Mrs. Mary Lela Grimes
Producing Agency: National Educational Television and Radio Center
Distributor: same

ELEMENTARY SCIENCE — 6 70 lessons, 20 minutes each. **Videotape** **ES-142**

Basic instruction in science for the sixth grade. Originally broadcast twice a week. Teacher's guide. Produced, 1963.

Teacher: George Fischbeck
Producing Agency: KNME-TV
Distributor: same

EXPLORING NATURE 30 lessons, 30 minutes each. **Originally Videotape, distributed as Kinescope** **ES-42**

Supplementary instruction in science for intermediate grades. Course emphasizes the experimental approach to science in general, and bio-

logical science, in particular. Originally broadcast weekly. Lessons make extensive use of live animals, and plants, motion picture films, sound recordings, and art work. Teacher's guide. Produced, 1960.

Teacher: William H. Weston, Jr.
Producing Agency: The Natural Science Television Project and WGBH-TV
Distributor: Instructional Television Library Project
Other Television Users: KOAC-TV, KOAP, KUSD-TV, WEDH-TV, WENH-TV, WHA-TV, WMHT, WNDT, WTTW

EXPLORING SCIENCE 72 lessons, 29 minutes each. **Videotape** **ES-129**

Supplementary instruction in science for sixth grade. The theme of this series is "How do we know this is so?" In answering this through demonstrations and experiments, it presents basic science concepts. Originally broadcast twice a week. Teacher's guide and student's guide. Produced, 1963-64.

Teacher: Mrs. Grace Batson
Producing Agency: WDCN-TV
Distributor: same

EXPLORING WITH SCIENCE 64 lessons, 20 minutes each. **Videotape**

Supplementary instruction in general science for fifth grade. Designed to expose student to the fund of scientific facts concerned with the everyday world so that he may gain a better understanding of the environment and how science can be used to interpret it. Content is divided into units including weather, flight, geology, fire, animals, magnetism, and electricity. Originally broadcast twice a week. Teacher's manual. Produced, 1961.

Teacher: John Burns
Producing Agency: Midwest Program on Airborne Television Instruction
Distributor: same
Other Television Users: KETC, KUHT, WSIU-TV

EXPLORING WITH SCIENCE 30 lessons, 14 minutes each. **Film** **ES-44**

Supplementary instruction for fifth and sixth grades in basic science. The underlying concept of the series is a study of the manifestations of energy in our world, ranging from life in the cells of simple and complex plants and animals, through the forces at work in the physical world, the formation and changes in the earth's crust, and the application of the principles learned in man's inventions. The series, which employs a wide variety of teaching techniques, was designed initially to be used as demonstration lessons for in-service education of teachers. Originally broadcast once a week. Teacher's manual. Produced, 1960.

Teachers: Dorothy Alfke and Robert Chemus
Producing Agency: Pennsylvania Department of Public Instruction
Distributor: same
Other Television Users: WBRE-TV, WDAU, WFBG-TV, WFIL-TV, WGAL-TV, WHA-TV, WHP-TV, WICU-TV, WJAC-TV, WLYH-TV, WQED, WSEE, WTPA

FIFTH GRADE SCIENCE 53 lessons, 24 minutes and 30 seconds each. **Videotape** **ES-87**

Basic instruction in fifth grade science. The purpose is to show the pupils that continuous learning is relevant to past experience, that the scientific method can be applied to daily life, and that there is an environmental interrelationship of plants and animals. The subject matter is set forth in an area approach as opposed to the traditional unit approach. The areas are: earth science, space science, physical sciences, life sciences, and applied and related sciences. Originally broadcast once a week, with two lessons on alternate weeks. Teacher's guide. Produced, 1962-63.

Teacher: Francis A. Alder
Producing Agency: WQED
Distributor: same

Science

ELEMENTARY

FOCUS ON SCIENCE 30 lessons, 30 minutes each.

Videotape

ES-106

Supplementary instruction in science for fifth grade. Specialists present studies into sound, weather, predators, electricity, magnetism, chemistry, and biology. Broadcast originally once a week. Teacher's guide. Produced, 1962.

Teacher: Various guest scientists, including Richard Fischer, Verne Rockcastle, Babette Coleman, Victor Schmidt

Producing Agency: Rochester Area ETV Council

Distributor: New York State Department of Education

Other Television Users: Corning (N.Y.) Public Schools, St. Lawrence ETV Council

LAND AND SEA 15 lessons, 15 minutes each.

Videotape

ES-88

Supplementary instruction in earth sciences for the third grade. It has been planned to encourage the pupil to go beyond accepting without question many of the "facts" of science. Each program presents some basic principle which the television teacher and the pupils try to test by examining the evidence at hand. There is considerable use of film and pictures. Broadcast originally once every other week. Teacher's manual. Produced, 1962-63.

Teacher: Mrs. Louise Sperling

Producing Agency: The 21-Inch Classroom

Distributor: same

Other Television Users: WCBB, WENH-TV, WMEB-TV, WMHT

LET'S FIND OUT 28 lessons, 1st minutes each.

Videotape

ES-46

Basic instruction for second and third grades which follows the basic science curriculum of the State of California. Originally broadcast once a week. Series is organized into independent units which may be arranged as a school desires. Teacher's manual. Produced, 1960-61.

Teacher: Miss Peggy Hemmingsen

Producing Agency: KVIE

Distributor: same

Other Television Users: South Carolina ETV Network

LIVING SCIENCE-5 30 pupil lessons and 8 in-service lessons, 25 minutes each. Videotape and Kinescope

ES-66

Enrichment instruction for fifth grade. Designed to develop in the student an understanding of the scientific method and attitude, and to encourage his natural sense of curiosity. Lessons are built on six main units of study: air and weather, aviation and space, earth, time, energy, and living things. Eight in-service teacher education lessons are included, in addition to the student lessons. Originally broadcast weekly. Teacher's manual. Produced, 1961-62 (revised, 1962).

Teacher: Marlin Languis

Producing Agency: Nebraska Council for Educational Television, Inc.

Distributor: same (Contact Great Plains Regional Instructional Television Library for information)

Other Television Users: KHOL, KSTF

LIVING SCIENCE-6 30 pupil lessons and 8 in-service lessons, 25 minutes each. Videotape and Kinescope

ES-48

Enrichment instruction for sixth grade. Designed to develop in the student an understanding of the scientific method and attitude, and to encourage his natural sense of curiosity. Lessons are built on seven main units of study: air and weather, aviation, space, earth, matter, energy and living things. Eight in-service teacher education lessons are included, in addition to the student lessons. Originally broadcast weekly. Teacher's manual. Produced, 1961-62 (revised, 1962).

Teacher: Marlin Languis

Producing Agency: Nebraska Council for Educational Television, Inc.

Distributor: same (contact Great Plains Regional Instructional Television Library for information)

Other Television Users: Corning (N.Y.) Public Schools, KHOL, KSTF, Southeast South Dakota ITV Council, Southern Tier Educational Television Association

NEIGHBORHOOD EXPLORERS 15 lessons, 15 minutes each.

Videotape

ES-69

Supplementary instruction in second grade science. The course takes the problem-solving approach to science, encouraging the student to observe, gather evidence, and draw conclusions. Lessons deal with the processes and articles found in the world of a second grade child. Originally broadcast once every other week. Teacher's syllabus. Produced, 1962.

Teachers: Eugene Gray and Miss Elinor Johnson

Producing Agency: The 21-Inch Classroom

Distributor: same

Other Television Users: WCBB, WMEB-TV, WMHT

PHYSICAL SCIENCE 15 lessons, 30 minutes each.

Videotape

ES-52

Supplementary instruction in science for sixth grade. Course deals with matter and energy and the various forms they take. The lessons examine such areas as the physical and chemical properties of air, atoms and molecules, magnetism and electricity, nuclear energy and space travel, simple machines and the laws of gravity, motion and friction. Originally broadcast once every two weeks. Teacher's manual. Produced, 1959.

Teacher: Eugene Gray

Producing Agency: The 21-Inch Classroom

Distributor: same

Other Television Users: WCBB, WENH-TV, WMHT

PRIMARY CONCEPTS IN SCIENCE 15 lessons, 14 minutes each.

Film

ES-47

Supplementary instruction for third and fourth grades. Series is designed to develop an attitude of inquiry in both the physical and biological science areas. Topics covered include: our senses, insects, the nature of air, how we hear and see, how we magnify the invisible, the nature of the earth we live on, gravity, lift, thrust and propulsion, inclined planes, and friction. Series was designed originally to be used as demonstration lessons for in-service education of teachers. Originally broadcast once a week. Teacher's guide. Produced, 1961.

Teacher: Mrs. Sara Clemson

Producing Agency: Pennsylvania Department of Public Instruction

Distributor: Instructional Television Library Project

Other Television Users: Northern Illinois University, Pueblo (Colo.) Public Schools, Toledo (O.) Public Schools, WBRE-TV, WENH-TV, WFBG-TV, WFIL-TV, WGAL-TV, WJAC-TV, WQED, WSEE, WTTW

SCIENCE-1 8 lessons, 20 minutes each. Kinescope

ES-92

Supplementary instruction in science for the first grade. The purpose of the series is to provide learning experiences in science for the classroom which are not otherwise possible. It will help children observe more accurately, seek information by asking questions, and learn by experimenting for themselves. Broadcast originally intermittently. Teacher's manual. Last revised, 1959.

Teacher: Miss Myrtle Lee

Producing Agency: Minneapolis Public Schools

Distributor: same

SCIENCE 1-3 24 lessons, 15 minutes each. Videotape

ES-91

Supplementary instruction in science for first, second and third grades. The series is designed to aid in the teaching and learning of basic concepts set forth in the curriculum guide of the Minneapolis Public Schools at each grade level. Broadcast originally once a week. Teacher's manual. Produced, 1963.

Teachers: Miss Myrtle Lee, Mrs. Mary Lou Hartley and Miss Elizabeth White

Producing Agency: Minneapolis Public Schools

Distributor: same

Science

SCIENCE-2 10 lessons, 20 minutes each. Kinescope ES-93

Supplementary instruction in science for the second grade, following same aims set forth in Minneapolis Public School's SCIENCE 1 (also in this section). Broadcast originally intermittently. Teacher's manual. Last revised, 1961.

Teacher: Miss Myrtle Lee

Producing Agency: Minneapolis Public Schools

Distributor: same

SCIENCE 2, 3 15 lessons, 20 minutes each. Videotape ES-104

Basic instruction in science for the second and third grades. The series uses the scientific approach to problem solving and attempts to relate the experiences and demonstrations to the pupil's daily activities. Originally broadcast once every other week. Teacher's guide. Produced, 1962.

Teacher: Mrs. Muriel M. Howick

Producing Agency: WNED-TV

Distributor: New York State Department of Education

Other Television Users: Corning (N.Y.) Public Schools, Rochester ETV Association, St. Lawrence ETV Council

SCIENCE-3 9 lessons, 20 minutes each Kinescope ES-94

Supplementary instruction in science for the third-grade. The purpose of the series is to help pupils apply the methods of science in the solution of the problems they raise about their physical environment. It attempts to encourage them to become critical of opinions and begin to investigate areas of science new to them. The series aims to help children observe more accurately, seek information by asking questions and learn by experimenting for themselves. The lessons frequently contain resources and materials not found in the classroom. Broadcast originally intermittently. Teacher's manual. Last revised, 1961.

Teacher: Mrs. Mary Lou Hartley

Producing Agency: Minneapolis Public Schools

Distributor: same

SCIENCE 3, 4 (series A) 68 lessons, 15 minutes each.

Kinescope

ES-90

Basic instruction in science for the third and fourth grades. Series is designed to encourage students to think for themselves, try things out, check their findings. Topics covered include: air, simple machines, magnetism and electricity, the earth, outer space, sound, spring and summer. Broadcast originally two times a week. Teacher's guide. Produced, 1961-62.

Teacher: Wenonah Sullivan

Producing Agency: KCTS-TV

Distributor: same

Other Television Users: KEPR-TV, KVOS-TV

SCIENCE 3, 4 (series B) 67 lessons, 15 minutes each.

Kinescope

ES-118

Basic instruction in science for third and fourth grades. These lessons have been developed so they may be interchanged with those in KCTS-TV's SCIENCE 3, 4 (series A)—see above. Topics in series B include the 21st century, water, chemical and physical change, human body, health sciences, animals and plants, and marine life. Originally broadcast twice a week.

Teacher's guide. Produced, 1962-63.

Teacher: Wenonah Sullivan

Producing Agency: KCTS-TV

Distributor: same

Other Television Users: KEPR-TV, KYVE-TV

SCIENCE 4, 5 15 lessons, 20 minutes each

Videotape

ES-109

Basic instruction in science for the fourth and fifth grades. Follows the same basic approach as the New York State Department of Education's

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SCIENCE 2, 3, also in this section. Originally broadcast once every other week. Teacher's guide. Produced, 1962.

Teacher: Mrs. Muriel M. Howick

Producing Agency: WNED-TV

Distributor: New York State Department of Education

Other Television Users: Corning (N.Y.) Public Schools

SCIENCE-5 8 lessons, 25 minutes each Kinescope ES-95

Supplementary instruction in science for the fifth grade. The series is designed to present basic scientific principles and to stimulate interest in scientific investigations by the pupils. Broadcast originally intermittently. Teacher's manual. Last revised, 1961.

Teacher: Mrs. Mary Lou Hartley

Producing Agency: Minneapolis Public Schools

Distributor: same

SCIENCE 5, 6 68 lessons, 15 minutes each. Kinescope ES-119

Basic instruction in science for fifth and sixth grades. The series is divided into four sections entitled Challenge, Movement Away from Earth, The Earth's Surface, and Tools. Originally broadcast twice a week. Teacher's guide. Produced, 1963-64.

Teacher: Robert Larson

Producing Agency: KCTS-TV

Distributor: same

Other Television Users: KEPR-TV, KYVE-TV

SCIENCE-6 32 lessons, 20 minutes each. Videotape

Basic instruction in sixth grade science. It is designed to expand the student's understanding and appreciation of several basic concepts in science. These include: structural and functional characteristics of living things, energy production and utilization, energy transformation, space and time in the solar system, and space research. Broadcast originally once a week. Teacher's guide. Produced, 1962.

Teacher: John W. Burns

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: WSIU-TV

SCIENCE AROUND YOU 34 lessons, 29 minutes and 30 seconds each. Videotape ES-49

Supplementary or enrichment instruction for sixth grade. This course is designed to encourage individual and group projects in conjunction with actual school work. It includes units on air-wind-weather, space, light, sound, health, the earth, and machines. Format combines discussion and demonstration. Originally broadcast weekly. Teacher's manual. Produced, 1960-61.

Teacher: Mrs. N. E. Bingham

Producing Agency: WUFT

Distributor: WUFT (Owner: Alachua County Public School System, Gainesville, Fla.)

THE SCIENCE CORNER 128 lessons, 20 minutes each. Videotape

Supplementary instruction in basic science for third grade. Course is designed to help the classroom teacher stimulate the pupil's curiosity and encourage him to explore his surroundings. Broadcast four times a week. Teacher's manual. Produced, 1961.

Teacher: Miss Barbara Yanowski

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: WNDT, WSIU-TV

Science

ELEMENTARY

SCIENCE FAR AND NEAR 27 lessons, 20 minutes each.

Videotape

ES-51

Supplementary instruction for third grade. Designed to lay the groundwork in basic science as preparation for specific study in the higher grades. Originally broadcast once a week. Content emphasizes the life sciences, covering such topics as water, the water cycle, erosion, animals of the sea, vertebrates, flowers and fruits. Format is demonstration and discussion with illustrative specimens, experiments, diagrams and charts. Teacher's manual. Produced, 1960-1961.

Teacher: Lawrence Swann

Producing Agency: KQED

Distributor: same

Other Television Users: WTTW

SCIENCELAND 32 lessons, 20 minutes each. **Videotape**

Basic instruction in science for primary grades. Originally broadcast once a week. Each lesson is intended to stimulate and develop in the pupil an awareness of his surroundings and to direct his curiosity toward what is found around his house, under his feet, in the woods, and up in the sky. Teacher's manual. Produced, 1961-62.

Teacher: Miss Barbara Yanowski

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: Corning (N.Y.) Public Schools, KETC, WNDT, WOI-TV, WSIU-TV

SCIENCE PLUS 19 lessons, 24 minutes and 30 seconds each.

Videotape

ES-96

Enrichment instruction in science for fifth and sixth grades. This course stresses self-activity, creativity, the use of the scientific method, and "thinking" in science. The topics do not follow a specific course of study, but range from the development of scientific techniques to research in the areas of the International Geophysical Year. Broadcast originally once every other week. Teacher's guide and briefing sheets, and student worksheets. Produced, 1962-63.

Teacher: Francis A. Alder

Producing Agency: WQED

Distributor: same

SCIENCE SPOTLIGHT 30 lessons, 29 minutes each.

Videotape

ES-122

Supplementary instruction in science for sixth grade. Presents the general concepts used in the study of matter and energy, each lesson introducing a different area in the physical sciences. Broadcast originally once a week. Teacher's manual. Produced, 1963-64.

Teacher: Thomas J. Cabelus, Jr.

Producing Agency: Greater Washington Educational Television Association

Distributor: WETA-TV

SIXTH GRADE SCIENCE 54 lessons, 24 minutes and 30 seconds each. **Videotape**

ES-97

Basic instruction in sixth grade science. Its purpose, format and subject areas are the same as WQED's FIFTH GRADE SCIENCE also in this section. Originally broadcast once a week, with two lessons on alternate weeks. Teacher's guide. Produced, 1962-63.

Teacher: Francis A. Alder

Producing Agency: WQED

Distributor: same

THE SPACE AROUND US 15 lessons, 20 minutes each.

Videotape

ES-114

Supplementary instruction in science for fourth grade. Keyed to the child's expanding universe. Considers the solar system, weather, and the basic properties and processes of matter. Originally broadcast every other week. Teacher's guide. Produced, 1963-64.

Teacher: Dave Bonney

Producing Agency: The 21-Inch Classroom

Distributor: same

Other Television Users: WCBB, WMEB-TV

WHAT ON EARTH 30 lessons, 29 minutes each.

Videotape

ES-98

Supplementary instruction in science for fifth grade. Course has two objectives: to raise questions and issues about the content or subject matter of each lesson, and to suggest techniques, methods and apparatus used by scientists, useful to pupils and adequate to the subject of science. Topics covered include weather, oceanography, plants, mammals, minerals and conservation. Broadcast originally once a week. Teacher's manual. Produced, 1960-61 (revised, 1962-63, 1963-64).

Teacher: Alex Costea.

Producing Agency: Greater Washington Educational Television Association

Distributor: WETA-TV

Other Television Users: WLW-I

WONDERING WITH SCIENCE-3 56 lessons, 20 minutes each.

Videotape

ES-99

Basic instruction in third grade science. Course materials based on existing science curricula in Memphis and Shelby County Schools. Format is lecture-demonstration, with strong reliance on visual material not ordinarily available in the classroom. Originally broadcast two times a week. Teacher's guide. Produced, 1962-63.

Teacher: Mrs. Betty Stimbert

Producing Agency: WKNO-TV

Distributor: same

WONDERING WITH SCIENCE-4 56 lessons, 28 minutes each.

Videotape

ES-54

Fourth grade level of WKNO-TV's WONDERING WITH SCIENCE series, it follows WONDERING WITH SCIENCE-3 described in this section. Produced, 1961-62.

Teacher: Mrs. Betty Stimbert

Producing Agency: WKNO-TV

Distributor: same

WONDERING WITH SCIENCE-5 56 lessons, 28 minutes each.

Videotape

ES-55

Fifth grade level of WKNO-TV's WONDERING WITH SCIENCE series, it follows WONDERING WITH SCIENCE-4 described in this section. Produced, 1960-61.

Teacher: Mrs. Betty Stimbert

Producing Agency: WKNO-TV

Distributor: same

WONDERING WITH SCIENCE-6 60 lessons, 20 minutes each.

Videotape

ES-56

Sixth grade level of WKNO-TV's WONDERING WITH SCIENCE series, it follows WONDERING WITH SCIENCE-5 described in this section. Produced, 1959-60 (revised 1963-64).

Teacher: Mrs. Betty Stimbert

Producing Agency: WKNO-TV

Distributor: same

WORLD OF SCIENCE 72 lessons, 28 minutes and 30 seconds each.

Videotape

ES-57

Basic instruction in fourth grade science. Telecourse features visuals, guest speakers, demonstrations, experiments, filmed field trips. Originally broadcast two days a week. Student's guide and teacher's manual. Produced, 1961-62.

Teacher: Mrs. Grace Batson

Producing Agency: WDCN-TV

Distributor: same

Social Studies

AMERICA'S STORY 30 lessons, 30 minutes each.

Kinescope

ES-58

Supplementary instruction in social studies with an emphasis on history for fifth grade students. Half of the course deals with events from the discovery of America to those preceding the Civil War, with some attention to the type of land available to early settlers. The remainder covers Civil War times through the development of the United States as a world power and includes some treatment of the United Nations. Originally broadcast weekly. Teacher's manual. Produced, 1960-61.

Teacher: Ed Harbeston

Producing Agency: State University of Iowa

Distributor: same

BAY AREA ADVENTURE 27 lessons, 20 minutes each.

Videotape

ES-125

Supplementary instruction in social studies for third grade. Combines cartoons and YOU ARE THERE-type camera work in a tour of points of interest around San Francisco Bay. Broadcast originally once a week. Teacher's manual. Produced, 1963.

Teacher: Leslie Landin

Producing Agency: KQED

Distributor: same

CALIFORNIA STORY 14 lessons, 20 minutes each.

Videotape

ES-61

Enrichment instruction for California fourth grades. These lessons make use of visual aid devices from outstanding historical sources that would be difficult for the classroom teacher to obtain. The units of study are transportation, government, conservation, and growth. Originally broadcast once a week. Teacher's manual. Produced, 1959-60.

Teacher: Miss Victoria Hunter

Producing Agency: KVIE

Distributor: same

Other Television Users: KQED

COMMUNITY HELPERS 15 lessons, 20 minutes each.

Videotape

ES-108

Supplementary instruction in social studies for primary grades. Attempts to help develop proper attitudes toward people. Designed to help formulate a habit of courtesy and respect, know the community, foster a feeling of security, and direct imitative desires. Originally broadcast once a week. Teacher's guide. Produced, 1962.

Teacher: Mrs. Patricia Walter

Producing Agency: WNED-TV

Distributor: New York State Department of Education

Other Television Users: Corning (N.Y.) Public Schools, St. Lawrence ETV Council, WMHT, WNBT

FACETS OF CULTURAL GEOGRAPHY 30 lessons, 25 minutes each.

Videotape

ES-121

Supplementary instruction in social studies for sixth grade. Includes geographical and social facets in the following cultural regions: European, Oriental, North African-Southwest Asian, African and Pacific. Also discusses the Common Market. Originally broadcast once a week. Teacher's guide. Produced, 1963-64.

Teacher: Malcolm Davis

Producing Agency: Greater Washington Educational Television Association

Distributor: WETA-TV

OUR WORLD OF TODAY 30 lessons, 30 minutes each.

Kinescope

ES-100

Supplementary instruction for the fifth, sixth and seventh grades. The first half of the series is devoted to presenting concepts concerning

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selected modern nations in the Western Hemisphere and on the continent of Europe. The second half covers selected nations of Africa, the Middle East, Asia, and Australia. The theme is the many economic demands upon nations today, and the internal battle for political freedom and social equality in practically every nation of the world today. Teacher's guide. Produced, 1962.

Teacher: Mrs. Kay S. Ramseyer

Producing Agency: State University of Iowa

Distributor: same

WHERE ON EARTH 28 lessons, 20 minutes each.

Videotape

ES-126

Supplementary instruction in geography for sixth grade. Studies the relationships between the natural, physical environment and the cultural patterns around the world. Topics include: where man lives and why; the earth as part of the solar system; needs of agriculture; needs of industry; effects of new political and social concepts like the United Nations and the Common Market. Originally broadcast once a week. Teacher's manual. Produced, 1963.

Teacher: Mrs. Genevieve Angelides

Producing Agency: KQED

Distributor: same

WINDOW ON OUR WORLD 25 lessons, 15 minutes each.

Videotape

ES-102

Enrichment instruction for kindergarten and first grade. The purpose of the series is to broaden the experience of children and to develop in them a deepening awareness of the world around them through the use of their senses. The lessons cover a wide range of subjects, including science, language arts, music, and art. Broadcast originally once a week. Teacher's guide. Produced, 1961-62 (revised, 1962-63, and 1963-64).

Teacher: Mrs. Mary Janet Blackburn

Producing Agency: Greater Washington Educational Television Association

Distributor: WETA-TV

WORLD GEOGRAPHY 70 lessons, 29 minutes each.

Videotape

ES-127

Supplementary instruction in social studies for sixth and seventh grades. Studies the physical features of the earth and life as it is distributed over the face of the globe. Discusses concepts regarding man's living apart and together with his fellow humans. Originally broadcast twice a week. Teacher's guide and student's guide. Produced, 1963-64.

Teacher: Murray Short

Producing Agency: WDCN-TV

Distributor: same

YOUR COMMUNITY 16 lessons, 20 minutes each.

Videotape

Enrichment instruction for third grade. Series is comprised of "field trips" to further the pupil's understanding of the basic operations involved in the running of a community. It is designed to stimulate him to further explore his own locality. Lessons explore the activities of the weather bureau, a fire department, a police department, a dairy farm, a water and sewage plant, a modern supermarket, and a building contract company. Originally broadcast weekly. Teacher's manual. Produced, 1961-62.

Teacher: Mrs. Loretta Doyle

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: WOI-TV, WROC-TV, WSIU-TV

Social Studies

YOUR MINNESOTA 8 lessons, 25 minutes each.

Videotape and Kinescope

ES-110

Enrichment instruction in social studies for the fourth grade. Studies a wide range of subjects including map reading, conservation practices, and the interdependence of people. Originally broadcast intermittently. Teacher's manual. Produced 1958 (revised, 1960).

Teachers: Mrs. E. Jean Hosterman and Sheila Fitzgerald

Producing Agency: Minneapolis Public Schools

Distributor: same

ELEMENTARY

YOUR WORLD AND MINE 28 lessons, 30 minutes each.

Kinescope

ES-62

Supplementary instruction for intermediate grades. By focusing in each lesson on a specific area of the Western Hemisphere, an attempt is made to develop a feeling for man's close relationship to his natural environment. Format is primarily lecture with liberal use of charts, maps, and pictures for illustration. Teacher's manual. Produced, 1955-56.

Teacher: Miss Mary Beecher

Producing Agency: State University of Iowa

Distributor: same

SECONDARY COURSES

Art

THE PAINTING 7 lessons, 30 minutes each. **Kinescope**

Enrichment instruction which demonstrates the creation of a painting. Course follows step by step a painting entitled "The Man of Sorrow," a religious work whose central figure is Christ. Originally broadcast once a week. No study guide. Produced, 1957.

Teacher: Siegfried Reinhardt

Producing Agency: National Educational Television and Radio Center

Distributor: same

PAINTING THROUGH THE AGES 10 lessons, 29 minutes each. **Videotape** **ES-103**

Enrichment instruction in art for fifth through seventh grades. See main description in Elementary section.

Business

TYPE RIGHT 26 lessons, 28 minutes and 30 seconds each. **Videotape** **SS-10**

Supplementary instruction in beginning typing. Course covers the basic elements of typing for personal use. Originally broadcast twice a week. Student's guide and teacher's manual. Produced, 1961.

Teacher: Mrs. Diane Sina

Producing Agency: WNED-TV

Distributor: New York State Department of Education

Other Television Users: RAETA, WGTV, WROC-TV, WXGA-TV

THE WORLD OF CREDIT 11 lessons, 29 minutes each. **Videotape and Kinescope** **CS-54**

Enrichment instruction for senior high school and college students and adults. See main description in College section.

English

AMERICAN LITERATURE 25 lessons, 20 minutes each. **Videotape** **SS-34**

Supplementary instruction in senior high school English. The purpose is to present the American literary tradition. Examines the lives, personalities, and works of some significant writers. Traces the interaction of American life on them and they in turn on American life. Originally broadcast once a week. Teacher's guide. Produced, 1962.

Teacher: William A. Brady

Producing Agency: WNED-TV

Distributor: New York State Department of Education

ENGLISH FOR YOU 96 lessons, 20 minutes each. **Videotape** **SS-11**

Basic instruction for able eighth graders. It deals with the study of the structure of the English language with emphasis upon the improvement of composition skills. Twenty-five of the telecasts are directly concerned with writing activities. Other lessons consider the history of language, current language problems, the review of teen-age books. Broadcast originally three times a week. Teacher's guide and student's materials. Produced, 1959-60 (revised 1962-63).

Teacher: James D. Zachritz

Producing Agency: Cincinnati Public Schools

Distributor: same

FROM FRANKLIN TO FROST 64 lessons, 30 minutes each.

Videotape

Supplementary instruction for senior high school students. Designed to develop an appreciation for the works of significant American writers. Authors and areas discussed include: Franklin, Frost, Poe, Twain, Miller, Cooper, narrative fiction, poetry, humor, satire, and drama. Originally broadcast twice a week. Teacher's manual. Produced, 1962.

Teacher: Dr. Arthur Eastman

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

HIGH SCHOOL READING 20 lessons, 30 minutes each. **Videotape** **SS-12**

Basic instruction designed to aid students and teachers of students who are in the ninth and tenth grades but are reading at about the seventh grade level. Complete syllabus requires that the classroom teacher on the off-telecast days follow lessons outlined. Originally broadcast twice a week. Teacher's guide. Produced, 1963.

Teacher: C. M. P. O'Donnell

Producing Agency: Maine Department of Education through contract with WENH-TV

Distributor: Maine Department of Education

Other Television Users: WCBB, WENH-TV, WMEA, WMEB-TV

HUMANITIES 12 lessons, 30 minutes each. **Film**

Enrichment instruction for classes in English and dramatic literature beginning at the eleventh grade level. Series is divided into three groups of lessons, each dealing with a specific play. The plays are: "Our Town," "Hamlet," and "Oedipus Rex." Background material of the period of each and a comparative study of the three is provided. Student's guide and teacher's manual. Produced, 1959.

Teacher: Three teachers, each representing one period

Produced by The Massachusetts Council for The Humanities, Inc.

Filmed and distributed by Encyclopaedia Britannica Films, Inc.

JUNIOR HIGH SCHOOL LITERATURE 15 lessons, 20 minutes each. **Videotape** **SS-33**

Supplementary instruction in English for seventh grade, primarily to motivate students to increase their reading. They are encouraged to read in their entirety books or stories excerpted in the televised lessons. Originally broadcast once a week. Teacher's guide. Produced, 1962.

Teacher: William A. Brady

Producing Agency: WNED-TV

Distributor: New York State Department of Education

LOOKING AT LANGUAGE 12 lessons, 30 minutes each. **Videotape** **SS-36**

Enrichment instruction in English for seventh grade. It introduces the study of language. It attempts to show the variety of ways in which language influences people. Originally broadcast once a week. Teacher's manual. Produced, 1963.

Teacher: Roger Kemp

Producing Agency: Minneapolis Public Schools

Distributor: same

OF POETS AND POETRY 8 lessons, 30 minutes each. **Kinescope**

Enrichment instruction designed to heighten student's appreciation of poetry and stimulate further interest in the subject. Course presents poets reading and commenting upon their own works. They are interviewed by professors and other poets. Those appearing include: Stephen Spender, Ogden Nash, John Crowe Ransom, and Richard Wilbur. No study guide. Produced, 1959.

Producing Agency: National Educational Television and Radio Center

Distributor: same

English/Foreign Language/Guidance

SECONDARY

PORTTRAITS IN PRINT 10 lessons, 30 minutes each.

Kinescope

Enrichment instruction documenting the lives and times of ten famous writers. Course draws on autobiographical material, drawings, etchings, lithographs, and photographs, to re-create the lives of Milton, Defoe, Goldsmith, Coleridge, Irving, Byron, Hawthorne, Thackeray, Hugo, and Dickens. No study guide. Produced, 1958.

Producing Agency: National Educational Television and Radio Center
Distributor: same

PREVIEWS IN FRESHMAN ENGLISH 20 lessons, 30 minutes each.

Videotape

CS-76

Basic instruction as a sampling of the topics and problems met in college freshman English. See main description in College section.

ROOTS AND BRANCHES 19 lessons, 29 minutes each.

Videotape

SS-13

Basic instruction in the history of language for seventh grade and up. This course is to instill in students a life-long interest in the English language. It shows that language consists of a set of symbols, and that this symbolic nature of language makes exact communication difficult. Also it points up that any living language is subject to change, with these changes following definite patterns. Verbal, pictorial and graphic illustrations are used. Broadcast originally twice a week. Teacher's manual. Produced, 1962. (Can be followed by Eugene Public Schools' WORDS! WORDS! WORDS! also included in this section).

Teacher: Raymond Scofield

Producing Agency: Eugene Public Schools

Distributor: same

Other Television Users: KOAC-TV, Cooperative Educational Television Project

THE TWO R'S 36 lessons, 30 minutes each. Videotape AS-19

Basic instruction in English composition. Can be used as a general review for adults, as pre-college instruction for high school students, or remedial work for college students. See main description in Adult section.

WORDS! WORDS! WORDS! 19 lessons, 29 minutes each.

Videotape

SS-14

Basic instruction for eighth grade and up in the study of the way man communicates through the use of words. It follows Eugene Public Schools' ROOTS AND BRANCHES also described in this section, and attempts to delineate the relations of words to the things to which they refer. Exactness in the use of language is also covered, as well as the study of dictionary making. Broadcast originally twice a week. Teacher's manual. Produced, 1962.

Teacher: Raymond Scofield

Producing Agency: Eugene Public Schools

Distributor: same

Other Television Users: KOAC-TV, Cooperative Educational Television Project

WRITERS OF TODAY 7 lessons, 30 minutes each. Film

Enrichment instruction for senior high school students. Course presents series of interviews with prominent writers who discuss topics such as the status of the theater in America, the function of modern poetry, the development of the modern short story, the techniques of historical biography and the novel, the Negro writer in the United States. Writers are: Robert Penn Warren, Arthur Miller, Archibald MacLeish, W. H. Auden, Marchette Chute, Frank O'Connor and Langston Hughes. No study guide. Produced, 1956-57.

Host: Walter Kerr

Producing Agency: National Educational Television and Radio Center
Distributor: same

Foreign Languages

ADALANTE AMIGOS 128 lessons, 20 minutes each. Videotape

Supplementary instruction in beginning Spanish for junior high school students. Series is designed to teach sufficient Spanish to allow the student to speak and comprehend the language. With the aural-oral method as a basis, he is gradually introduced to language patterns. Material on Spanish-American culture is included. Originally broadcast four times a week. Teacher's manual. Produced, 1962.

Teacher: Mrs. Helen Nefkens and Benito Lueras

Producing Agency: Midwest Program on Airborne Television Instruction
Distributor: same

FRENCH II 160 lessons, 29 minutes each. Videotape SS-16

Basic instruction for tenth grade students, and a continuation of the South Carolina ETV Center's FRENCH FOR BEGINNERS also described in this section. Teacher's lesson outline. Produced, 1961-62.

Teacher: Mrs. Lucy Turney-High

Producing Agency: South Carolina ETV Center

Distributor: same

FRENCH FOR BEGINNERS 160 lessons, 29 minutes and 30 seconds each. Videotape SS-15

Basic instruction for ninth grade students, stressing the development of aural-oral competence in French. This course is designed to provide students with an extensive vocabulary, a clear understanding of grammar, and an introduction to French contributions to Western Civilization. Broadcast originally five days a week. Teacher's lesson outline. Produced, 1960-61.

Teacher: Mrs. Lucy Turney-High

Producing Agency: South Carolina ETV Center

Distributor: same

SPANISH 7-8 72 lessons, 29 minutes each. Videotape SS-1

Basic instruction for seventh and eighth grades in beginning Spanish. Audio-lingual teaching approach is used. Course also includes background cultural information on the Spanish-speaking countries of the world. Format is a TV class directly on camera. Originally broadcast twice a week. Student's guide and teacher's manual. Produced, 1961-62 (revised, 1962-63).

Teacher: Mrs. Eva Pilkinton

Producing Agency: WDCN-TV

Distributor: same

Guidance

GUIDANCE SPECIALS 5 lessons, 30 minutes each. Videotape

SS-35

Guidance series for junior and senior high school. Covers the problems of interest, study habits, dropout, attitudes and aptitudes. Originally broadcast once a week. No study guide. Produced, 1962.

Producing Agency: Rochester Area ETV Council

Distributor: New York State Department of Education

Other Television Users: WNYC-TV

Health and Safety/Mathematics/Music

Health and Safety

DRIVER EDUCATION 10 lessons, 30 minutes each.

Videotape

SS-17

Supplementary instruction in driver training for the ninth grade. The purpose of the series is to analyze the cause of accidents and make suggestions for improving the situation. The lessons attempt to present information necessary to solve the very serious auto accident problem. Broadcast originally two times a week. Teacher's manual. Last revised, 1963.

Teacher: Truman Smith

Producing Agency: Minneapolis Public Schools

Distributor: same

DRIVER EDUCATION 33 lessons, 30 minutes each. Kinescope

Supplementary instruction for high school students. Purposes of the series are to provide an understanding of the increasingly complex problem of traffic control, to teach a theory of good driving and to supplement an actual behind-the-wheel driver training course. Lectures are illustrated with liberal use of film inserts, still photographs and magnet board models of streets and cars. No study guide. Produced, 1958.

Teacher: Henry Hannum

Producing Agency: National Educational Television and Radio Center

Distributor: same

Mathematics

ALGEBRA I 160 lessons, 28 minutes and 50 seconds each.

Videotape

SS-18

Basic instruction in traditional first year algebra for eighth or ninth grade students. Broadcast originally five days a week. Teacher's lesson outlines. Produced, 1960-61.

Teacher: Mrs. Rhoda F. Lugenbeel

Producing Agency: South Carolina ETV Center

Distributor: same

Other Television Users: Television Branch, Ft. Gordon, Georgia

ALGEBRA II 160 lessons, 29 minutes each. Videotape SS-19

Basic instruction traditional second year algebra for ninth or tenth grade students. Originally broadcast five days a week. Teacher's lesson outlines. Produced, 1961-62.

Teacher: Mrs. Rhoda F. Lugenbeel

Producing Agency: South Carolina ETV Center

Distributor: same

CALCULUS 120 lessons, 30 minutes each. Videotape CS-64

Basic instruction in traditional first year calculus for high school seniors or college freshmen. See main description in College section.

COLLEGE ALGEBRA 80 lessons, 28 minutes and 50 seconds each.

Videotape

CS-65

Basic instruction in traditional college algebra that can also be taught to advanced high school students. See College section for course description.

THE COMPUTER AND THE MIND OF MAN 6 lessons, 30 minutes each. Film

This enrichment series explores what the invention of the computer means to mankind. Among the topics considered are: logic by machine, universe of numbers, and mathematical models. It was produced under a grant from the International Business Machines Corporation. Format included guests, animation, art, film, and dramatic sequences. Transcripts. Produced, 1963.

Teachers: Various scientists, mathematicians and social scientists

Producing Agency: National Educational Television and Radio Center

Distributor: same

SECONDARY

PATTERNS IN MATHEMATICS 76 lessons, 25 minutes each.

Videotape

SS-3

Basic instruction in first year algebra for eighth or ninth grades. Emphasizes new method of teaching mathematics which stresses developing concepts. Course can also be used for in-service teacher training. Originally broadcast three times one week and two times the following week. Teacher's guide and student's exercise book. Produced, 1960-61.

Teacher: Donovan R. Lichtenberg

Produced By: The Wisconsin School of the Air in cooperation with The Wisconsin Improvement Program with financial assistance from the Ford Foundation

Distributor: Instructional Television Library Project

Other Television Users: KUED

THE THIRD R 33 lessons, 30 minutes each. Videotape CS-66

Pre-college instruction in mathematics for students planning to enter college, or remedial instruction for those already in college who are deficient in mathematics, especially algebra. See College section for course description.

TRIGONOMETRY 80 lessons, 28 minutes each.

Videotape

CS-67

Basic instruction in college trigonometry. Can also be taught to advanced high school students. See College section for course description.

UNDERSTANDING NUMBERS 7 lessons, 30 minutes each.

Kinescope

Supplementary instruction for high school students in the understanding of basic mathematical principles. Course begins with number systems of the Egyptian and Babylonian cultures and demonstrates such pre-machine systems as the abacus, counting board and talley stick. New concepts such as the binary system and modular arithmetic are also taught. Originally broadcast once a week. No study guide. Produced, 1957.

Teacher: Phillip S. Jones

Producing Agency: National Educational Television and Radio Center

Distributor: same

Music

ACCENT ON MUSIC 8 lessons, 30 minutes each.

Originally videotape, distributed on kinescope

SS-4

Supplementary instruction for seventh through tenth grades. Course utilizes music resources available in the Boston area such as the Handel and Haydn Society, the Greater Boston Youth Symphony, the Massachusetts Institute of Technology Concert Band, and the collection of ancient instruments in the Museum of Fine Arts, to make available experiences difficult to duplicate in the classroom. Teacher's guide. Produced, 1960.

Teacher: Edward Gilday

Producing Agency: WGBH-TV and The 21-Inch Classroom

Distributor: Instructional Television Library Project

Other Television Users: KOAC-TV, KOAP

KEYS TO MUSIC 20 lessons, 15 minutes each. Kinescope

Basic instruction in music for the fourth, fifth, sixth, seventh and eighth grades. See main description in Elementary section.

MUSICAL FORMS 6 lessons, 30 minutes each. Kinescope

Enrichment instruction designed to introduce the student to "classical" music. Simple terms such as "sonata," "scherzo," "theme" are discussed, and complete movements are played from the work of Schumann, Schubert, Brahms, Haydn, Franck, Grieg, and Beethoven. Henri Temianka is the featured performer. Some of the music is presented by the Paganini Quarter. No study guide. Produced, 1956.

Teacher: Henri Temianka

Producing Agency: National Educational Television and Radio Center

Distributor: same

Science

SECONDARY

ALL ABOUT WATER 17 lessons, 30 minutes each.

Kinescope

ES-143

Basic instruction in conservation for fourth through eighth grades. See main description in Elementary section.

ANIMALS OF THE SEASHORE 15 lessons, 30 minutes each.

Kinescope

Enrichment instruction for junior high school students. Course is organized around the inter-tidal environment as a unique and diverse habitat for living organisms. General approach is analysis of the physical features of the beach and illustrations of how different animals meet these conditions. Topics include: classifications of marine animals, economic aspects of the shore, embryology, and basic research in marine biology. Film clips, still pictures, and demonstrations are used throughout the course. Originally broadcast once a week. No study guide. Produced, 1958.

Teacher: Dixy Lee Ray

Producing Agency: National Educational Television and Radio Center

Distributor: same

ASTRONOMY FOR YOU 13 lessons, 30 minutes each.

Kinescope

Supplementary instruction presenting a general introduction to astronomy for students with no previous knowledge of the subject. Course begins with the solar system and extends to the small planets, the giant planets, the moon, and the galaxies. Materials from a number of observatories are used for visual illustration. Originally broadcast once a week. No study guide. Produced, 1959.

Teacher: James S. Pickering

Producing Agency: National Educational Television and Radio Center

Distributor: same

BIOLOGY 85 lessons, 30 minutes each. **Videotape** **SS-20**

Basic instruction for ninth grade presenting the fundamental concepts of biology. It stresses the use of materials and resources not available in many classrooms. Broadcast originally two times during one series of weeks and three times during another. Teacher's and student's study guides. Produced, 1957-58 (revised, 1960-61).

Teacher: Stephen Smalley

Producing Agency: Cincinnati Public Schools

Distributor: same

Other Television Users: Hamilton County (O.) School System and Milwaukee (Wisc.) Public Schools

BIOLOGY 120 lessons, 30 minutes each. **Film**

Supplementary instruction prepared by the American Institute of Biological Sciences. Series is divided into ten major areas, each of which is covered by twelve lessons. Classroom format is used with many illustrative devices such as models, demonstrations and specimens, animated drawings, time-lapse and slow motion photography, cinemicroscopy and photomicroscopy. Student's guide and teacher's manual. Produced, 1960-62.

Teachers: Donald Bucklin, H. Burr Roney, Curt Stern, Gairdner Moment, Harvey Fisher, Derry Koob

Producing Agency: Calvin Productions (Sponsor: American Institute of Biological Sciences)

Distributor: McGraw-Hill Book Co., Inc.

Other Television Users: Atlanta (Ga.) Board of Education, Dallas Independent School District, Nashville (Tenn.) Board of Education, Oklahoma City Board of Education

BIOLOGY 104 lessons, 30 minutes each **Videotape** **SS-21**

Supplementary instruction in biology for senior high school students. Major concepts in biology are introduced and illustrated visually through micro-photography, time-lapse photography, and numerous demonstrations and exhibits. Broadcast originally two times a week. Teacher's and student's guides. Produced, 1963-64.

Teacher: Mrs. Joanne Ruhr

Producing Agency: WDCN-TV

Distributor: same

CHEMISTRY 160 lessons, 30 minutes each. **Film**

Basic instruction in introductory chemistry. Course designed both to provide a background for future study of science as well as a comprehensive study of the subject for those who will go no further in science. Produced under a grant by the Fund for the Advancement of Education. Format combines lectures and laboratory demonstrations. Student's guide and teacher's manual available. Produced, 1959.

Teacher: John F. Baxter

Producing Agency: Encyclopaedia Britannica Films, Inc.

Distributor: same

DR. POSIN'S GIANTS I 13 lessons, 30 minutes each. **Kinescope**

Enrichment instruction in science, discussion thirteen scientists from Archimedes to James Clark Maxwell. This informal lecture approach to teaching utilizes sketches, photographs, blackboard chalk talks, and a cat called Minerva. It purports to contribute to a better understanding of the nature and worth of science with particular emphasis on the modern applications of ancient theories and discoveries. No study guide. Produced, 1961.

Teacher: Dan Q. Posin

Producing Agency: National Educational Television and Radio Center

Distributor: same

DR. POSIN'S GIANTS II 14 lessons, 30 minutes each.

Videotape

This is a continuation of the National Educational Television and Radio Center's DR. POSIN'S GIANTS I also described in this section. In this second part of the series, the teacher continues the history of science from the nineteenth century, and discusses scientists John Couch Adams to Albert Einstein. No. study guide. Produced, 1962.

Teacher: Dan Q. Posin

Producing Agency: National Educational Television and Radio Center

Distributor: same

EARTH AND SPACE SCIENCE 48 lessons, 20 minutes each.

Videotape

SS-22

Basic instruction in earth and space science for junior high school students. The course includes six weeks of astronomy, six weeks of geology and three weeks of meteorology. Broadcast originally three times a week. Teacher's manual. The manual is written around a five day per week course, with two of the lessons directed entirely by the classroom teacher. It is for teachers with a limited background in this area of science. Produced, 1962.

Teacher: John D. Wells and Robert D. Collins

Producing Agency: KTCA-TV

Distributor: Great Plains Regional Instructional Television Library for states in its service area (see page 13.) All others also contact the Great Plains Library which will arrange distribution from KTCA-TV.

GENERAL SCIENCE 37 lessons, 30 minutes each.

Videotape

SS-23

Basic instruction in science for junior high school students. Aspects of astronomy, meteorology, chemistry, geology, archaeology, physics, biology and psychology are covered. Broadcast originally once a week. Teacher's manual available. Produced, 1961 (revised, 1962-63).

Teacher: George Fischbeck

Producing Agency: KNME-TV

Distributor: same

Other Television Users: KOSA-TV, KROD-TV, KTCA-TV

HEREDITY 9 lessons, 30 minutes each. **Film**

Supplementary instruction designed to teach the basic facts about inherited characteristics. Course treats topics such as reproduction

Science

and heredity, sexuality and variation, the roles of genes and chromosomes, heredity and environment, and some fallacies about heredity. Chemical demonstrations, diagrams, film clips, and living plants and animals illustrate the lectures. Originally broadcast once a week. No study guide. Produced, 1959-60.

Teacher: H. Burr Roney

Producing Agency: National Educational Television and Radio Center

Distributor: same

HIGH SCHOOL CHEMISTRY 94 lessons, 29 minutes each.

Videotape

SS-24

Supplementary instruction in traditional chemistry for high school students. It presents the fundamental principles of chemistry, with each lesson covering a particular topic. Among those discussed are: chemical equilibrium, types of chemical reactions, oxidation, corrosion of metals. Broadcast originally three times a week. Teacher's guide available. Produced, 1961.

Teacher: Robert D. Brown, and George M. Toffel

Producing Agency: University of Alabama

Distributor: same

HIGH SCHOOL PHYSICS 103 lessons, 29 minutes each.

Videotape

SS-25

Supplementary instruction in traditional physics for high school students. It consists of lectures and demonstrations which at appropriate times in the curriculum bring in latest advances in the field of physics. Originally broadcast three times a week. Teacher's guide. Produced, 1963.

Teacher: Eric Rodgers

Producing Agency: University of Alabama

Distributor: same

INVESTIGATING THE WORLD OF SCIENCE 64 lessons, 30 minutes each. Videotape

Supplementary instruction in the basic concepts of science for junior high school students. Content of the course is divided into five units: matter and energy, energy within living systems, animals and their adaptations, plants and their adaptations, and life in the universe. Originally broadcast twice a week. Teacher's manual. Produced, 1961.

Teacher: Stephen Smalley

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: WSIU-TV

THE NATURE OF MATTER 32 lessons, 30 minutes each.

Videotape

Basic or supplementary instruction in science for seventh through ninth grades. Deals with concepts which are fundamental to understanding natural phenomena in all the sciences. Originally broadcast four times a week. Teacher's manual. Produced, 1963.

Teacher: Stephen Smalley

Producing Agency: Midwest Program on Airborne Television Instruction

Distributor: same

Other Television Users: WSIU-TV

NINTH GRADE PHYSICAL SCIENCE 160 lessons, 29 minutes each. Videotape

SS-26

Basic instruction in physical science for eighth and ninth grades. Major topics covered are: measurement, matter and energy, elements, compounds and mixtures, solutions, suspensions, crystals, acids, bases, salts, simple machines, motion, heat, sound. Broadcast originally five days a week. Teacher's lesson outlines. Produced 1961-62 (revised, 1962).

Teacher: Marvin O'Neal

Producing Agency: South Carolina ETV Center

Distributor: same

SECONDARY

PHYSICS 160 lessons, 30 minutes each. Film

Basic or supplementary instruction in introductory high school physics. Course covers lessons in mechanics, properties of matter, atomic physics, electronics, heat, sound, optics, electricity and magnetism, quantum optics, nuclear physics. Format is lectures and laboratory sessions. Student's guide and teacher's manual. Produced, 1957.

Teacher: Harvey E. White

Producing Agency: Encyclopedia Britannica Films, Inc.

Distributor: same

SCIENCE IN OUR WORLD 27 lessons, 30 minutes each.

Videotape

Enrichment instruction for junior high school students. Course deals with scientific wonders that exist in commonplace items such as eggs and rocks, and extraordinary ones such as dinosaurs and plankton. Originally broadcast once a week. No study guide. Produced, 1960.

Teacher: Lawrence Swann

Producing Agency: National Educational Television and Radio Center

Distributor: same

SPACE SCIENCE 14 lessons, 30 minutes each.

Videotape

SS-5

Supplementary or enrichment instruction for seventh through ninth grades. Purpose of the course is to familiarize students with selected principles of physical science, in particular those dealing with space. Topics include refraction of light, lens operation, energy sources for conventional and jet flight, atmospheric pressure, and reflecting telescopes. Format is demonstration and discussion with extensive use of scale models, experiments, charts, and graphs. Originally broadcast once a week. Teacher's manual. Produced, 1960.

Teacher: Robert Stollberg

Producing Agency: KQED

Distributor: same

Other Television Users: KVIE

SURVIVAL IN THE SEA 12 lessons, 30 minutes each. Film

Supplementary instruction for junior and senior high school. Course uses underwater photography to visit the floor of the ocean and show how various forms of life exist in their native habitat. The relation of these creatures to their particular environment comprises the main body of the course's content. No study guide available. Produced, 1959.

Teacher: John F. Storr

Producing Agency: National Educational Television and Radio Center

Distributor: same

VIRUS 8 lessons, 30 minutes each. Film

Supplementary instruction dealing with the nature of the virus. Series draws on advanced scientific techniques such as microcinematography, electron microscopy and freeze drying, as well as animation, large-scale models and drawings to illustrate the basic facts about viruses. Questions dealt with include the virus' relation to bacterial disease, to polio and to cancer, and new little-known information about viruses. Course prepared under a National Science Foundation grant. No study guide. Produced, 1960.

Teacher: Wendell M. Stanley

Producing Agency: National Educational Television and Radio Center

Distributor: same

WHAT'S THE MATTER? 14 lessons, 20 minutes each.

Videotape

SS-28

Supplementary instruction for junior high chemistry. The purpose of the course is to present simple chemical techniques for experiments students can perform at home or in school. Discussed are boiling points and vaporization, solubility, acids and bases, properties of soils, freezing and melting points, etc. Direct teacher-to-student teaching. Originally broadcast twice a week. Teacher's guide. Produced, 1962-63.

Science/Social Studies

Teacher: Richard E. Powell
Producing Agency: KQED
Distributor: same
Other Television Users: KVIE

WONDERING WITH SCIENCE-7 60 lessons, 28 minutes each. Videotape SS-6

Basic instruction in science. Course is the seventh grade level of WKNO-TV's series WONDERING WITH SCIENCE that begins at third grade. (see Elementary section). Content of lessons is based on the existing course of study for Memphis and Shelby County Schools. Format is lecture-demonstration with heavy reliance on visual material, not ordinarily available to the classroom teacher. Teacher's manual. Produced, 1960-61.

Teacher: Mrs. Angela Aste
Producing Agency: WKNO-TV
Distributor: same

Social Studies

COMMUNISM: MYTH VS. REALITY 37 lessons, 30 minutes each. Videotape, Film and Kinescope CS-75

Basic instruction as a comprehensive survey of communism. See main description in College section.

THE COMMUNISTS 7 lessons, 20 minutes each. Videotape and Kinescope SS-37

Basic instruction in social studies for senior high school. Studies the growth and development of Communism in theory and in practice in an attempt to provide a basis for assessing the Communist power system as it exists today. Uses some rare visual materials from the Hoover Institute at Stanford University. Originally broadcast once a week. Teacher's manual. Produced, 1963.

Teacher: Marvin McDow
Producing Agency: KVIE
Distributor: same

OUR ADVENTURE IN FREEDOM 128 lessons, 30 minutes each. Videotape

Supplementary instruction for senior high school students focusing specifically on American history. Designed to arouse in the student a sense of his continuity with the past so that he may become an enlightened and positive participant in America of the future. Originally broadcast four times a week. Teacher's manual. Produced, 1961.

Teacher: John Dickey
Producing Agency: Midwest Program on Airborne Television Instruction
Distributor: same
Other Television Users: WSIU-TV

OUR CHANGING WORLD 128 lessons, 30 minutes each. Videotape

Supplementary instruction in world history for senior high students. Course provides a chronological development of world history up to the period of the Industrial Revolution, with emphasis on the rise of Western Civilization. Teaching method combines chronological and topical treatment of subject matter. Originally broadcast four times a week. Teacher's manual. Produced, 1961.

Teacher: Mrs. Geraldine Workman
Producing Agency: Midwest Program on Airborne Television Instruction
Distributor: same
Other Television Users: KDPS-TV

OUR WORLD OF TODAY 30 lessons, 30 minutes each. Kinescope ES-100

Supplementary instruction for the fifth, sixth and seventh grades. See main description in Elementary section.

SECONDARY

PRACTICAL POLITICS 4 lessons, 16 minutes each. Videotape SS-30

Enrichment instruction in social studies for eleventh and twelfth grades. It attempts to develop new approaches in high school instructional television. Lessons are planned to present realistic, dramatic situations illustrating the financial, moral and personal problems faced by the candidate for public office. No particular party, state or election is involved. Each program ends on an unanswered question for the class to discuss. Broadcast originally once a week. Teacher's manual. Produced, 1962.

Teacher: Franklin Patterson
Producing Agency: The 21-Inch Classroom
Distributor: same

THE RED MYTH 13 lessons, 30 minutes each. Kinescope

Supplementary instruction for senior high school students. Course documents the history of Communism from Marx to Khrushchev, and explores some of the major fallacies in this system of thought. Dramatic scenes adapted from the speeches and writings of significant figures of the period are used to highlight the events described. Also included are documentary film clips. Originally broadcast once a week. Book based on series. Produced, 1960.

Teacher: Witold Sworakowski
Producing Agency: National Educational Television and Radio Center
Distributor: same

TWENTIETH CENTURY REVOLUTIONS IN WORLD AFFAIRS 9 lessons, 30 minutes each. Kinescope

Supplementary instruction for senior high school students. Course examines communism, fascism, colonialism, weapons, the United Nations, the United States, Japan, Western Europe, and underdeveloped areas in the light of what has occurred so far in the 20th century. Documentary film footage and dramatic re-enactments are used to illustrate the ideological, philosophical, and practical revolutions which have occurred. Originally broadcast once a week. No study guide. Produced, 1959.

Teacher: C. Dale Fuller
Producing Agency: National Educational Television and Radio Center
Distributor: same

U. S. HISTORY 72 lessons, 29 minutes each. Videotape SS-31

Supplementary instruction to existing programs in U. S. history for senior high school students. Emphasis is upon main ideas, visual concepts, and the human side of American history. Originally broadcast two days a week. Teacher's and student's guides. Produced, 1963-64.

Teacher: Mrs. Miriam Roach
Producing Agency: WDCN-TV
Distributor: same
Other Television Users: WKNO-TV

WORLD GEOGRAPHY 70 lessons, 29 minutes each. Videotape ES-127

Supplementary instruction in social studies for sixth and seventh grades. See main description in Elementary section.

WORLD OF WORK 20 lessons, 15 minutes each. Videotape SS-32

Supplementary instruction in social studies for the eighth grade. The series televises sixty people from sixty occupations chosen on the basis of the Kuden Interest Inventory. The course attempts to help pupils plan their high school course of study. Teacher's manual. Produced, 1962-63.

Teacher: Clara M. Anderson and Corydon Nichols
Producing Agency: Minneapolis Public Schools
Distributor: same

COLLEGE COURSES

Agricultural Science

AGRICULTURAL ECONOMICS 44 lessons, 45 minutes each.

Videotape

CS-47

Basic instruction in economics applied to agriculture. Course covers adjustment to economic forces by farmers and businessmen in planning, producing and marketing products. Broadcast originally three times a week. Study guide. Produced, 1961.

Teacher: J. Wendell McKinsey

Producing Agency: University of Missouri

Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information).

AGRICULTURE IN THE ECONOMY 30 lessons, 45 minutes each.

Videotape

CS-48

Basic instruction for freshmen and new students in the field of agriculture. It surveys agriculture and agricultural industries in Missouri and the rest of the United States, and attempts to develop an appreciation of their role in the economy. This course is also intended to help the student plan his college program and subsequent career. Broadcast originally two times a week. Student's syllabus. Produced, 1962.

Teacher: Stephen Whitted

Producing Agency: University of Missouri

Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information).

LANDSCAPE APPRECIATION 31 lessons, 45 minutes each.

Videotape

CS-49

Basic instruction in vocational horticulture. The design and development of residential landscape space are studied. Broadcast originally two times a week. No study guide. Produced, 1962-63.

Teacher: Ronald Taven

Producing Agency: University of Missouri

Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information).

Anthropology

HUMAN EVOLUTION 16 lessons, 30 minutes each.

Videotape

CS-50

Enrichment course dealing with the development of man from his primate beginnings. Explores the concept of "race, blood groups and population genetics". Course outline and bibliography. Can be broadcast as frequently as suits the user's needs. Produced, 1962.

Teacher: William S. Laughlin

Producing Agency: WHA-TV

Distributor: same

INDIANS OF WASHINGTON AND OREGON 10 lessons, 30 minutes each.

Kinescope

CS-51

Enrichment series in anthropology, describing Indian tribal life in the northwest corner of the United States. It deals with the changes and development in this Indian culture from the time it was first observed by maritime and trans-continental explorers, to the present. Broadcast originally once a week. Student's guide. Produced, 1962.

Teacher: Erna Gunther

Producing Agency: University of Washington

Distributor: same

Other Television Users: KGW-TV, KREM-TV

ORIGINS OF MAN 28 lessons, 45 minutes each.

Videotape

CS-1

Basic course in physical anthropology. Format in mainly lecture with slides, rear screen projections, magnetic board demonstrations, graphic materials, maps, and fossil finds. Teacher's guide. Produced, 1962.

Teacher: Thomas W. McKern

Producing Agency: The University of Texas

Distributor: same

Other Television Users: Texas Educational Microwave Project

PRIMITIVE ART 10 lessons, 30 minutes each.

Kinescope

CS-2

Enrichment instruction in anthropology. Course is concerned with the aesthetic theories and artistic achievements of preliterate peoples. Materials from the Washington State Museum, the Portland Art Museum, and the Seattle Art Museum are used for illustration. Originally broadcast once a week. Student's guide. Produced, 1960.

Teacher: Erna Gunther

Producing Agency: University of Washington

Distributor: same

Other Television Users: KCTS-TV, KGW-TV, KNDO, KTVA, KVOS-TV

Art

INTRODUCTION TO THE VISUAL ARTS 40 lessons, 45 minutes each.

Videotape

CS-3

Basic instruction for students with no prior experience in art performance, history, or theory. Principal object is to acquaint students with the fundamental character of painting, graphic arts, sculpture, and architecture. Course builds from general description of the nature of the visual arts, through analyses of their elements and principles, to study of media and tools. Teacher's manual. Produced, 1961.

Teacher: Donald L. Weisman

Producing Agency: The University of Texas

Distributor: same

Other Television Users: Texas Educational Microwave Project

Business

THE AMERICAN BUSINESS SYSTEM 10 lessons, 29 minutes each.

Film

This enrichment series shows how the market system functions in the United States. It presents the history of the system; considers its achievements and relationship to government; and examines the functions of management in the fields of production, marketing and finance. Programmed learning material and transcripts. Produced, 1963.

Host: Jack Gwyn

Producing Agency: National Educational Television and Radio Center

Distributor: same

INSURANCE FOR THE FAMILY 8 lessons, 29 minutes each.

Videotape and Kinescope

CS-5

Enrichment instruction focusing on the basic insurance needs of an average family. Topics included are: accident insurance, hospitalization, life insurance, income protection, automobile insurance, and dwelling insurance. Originally broadcast once a week. Can be broadcast as frequently as suits the user's needs. No study guide. Produced, 1962-63.

Teacher: Curtis Elliott

Producing Agency: KUON-TV

Distributor: same

INTRODUCTORY ACCOUNTING 56 lessons, 44 minutes each.

Videotape

CS-6

Basic instruction in financial data as developed through accounting records and procedures. Course emphasizes these procedures as they affect the accuracy or validity of data and analyses their usefulness to management and investors. Visual aids are used to illustrate the lectures. Originally broadcast twice a week. Student's guide. Produced, 1960-61.

Teacher: I. E. McNeill

Producing Agency: KUHT

Distributor: same

Other Television Users: KETA-TV, KTXT-TV

THE WORLD OF CREDIT 11 lessons, 29 minutes each.

Videotape and Kinescope

CS-54

Enrichment instruction for senior high school and college students and adults. The series explains how credit is an increasingly important force in the lives of all of us today. It explains why it is essential for the consumer to have a full and complete understanding of what credit is, what credit does, and what credit cannot do. Broadcast originally once a week. No study guide. Produced, 1962.

Teacher: Robert H. Cole

Producing Agency: KUON-TV

Distributor: same

Classics**MUTE STONES SPEAK** 12 lessons, 30 minutes each.

Videotape

CS-56

Enrichment course tracing the development of the Roman world from the Etruscans to the time of Caesar and Christ. Teacher shows how air photography has helped archaeologists illustrate a new chapter in Roman history. No study guide. Produced, 1962.

Teacher: Paul L. MacKendrick

Producing Agency: WHA-TV

Distributor: same

Economics**MODERN ECONOMICS** 72 lessons, 28 minutes each.

Videotape

CS-52

Basic instruction in the fundamentals of economics. The first half of the course deals with macro-economics (national income accounting, fiscal policy, the banking system, employment policies, and economic growth). The second half covers micro-economics (supply and demand theory, particular markets, theory of the firm, marginal productivity theory, theory of distribution, and international economics). Format is the illustrated lecture, utilizing charts, graphs and roller board demonstration. Broadcast originally two times a week. Student's handbook. Last revised, 1961-62.

Teacher: Arthur R. Upgren

Producing Agency: Minnesota Private College Council

Distributor: same

Other Television Users: Texas Educational Microwave Project

PRINCIPLES OF ECONOMICS 26 lessons, 50 minutes each.

Videotape

CS-53

Basic instruction in the principles of economics. The topics covered include: the market mechanism, resource allocation, the theory of the firm, money and bank credit, national income measurement, income determination, monetary and fiscal policy, international trade and economic growth, and the business cycle. Originally broadcast one or two times a week. Produced, 1962-63.

Teacher: Donald W. Padel

Producing Agency: University of Illinois

Distributor: same

Education**PHILOSOPHIES OF EDUCATION** 13 lessons, 30 minutes each.

Kinescope

Supplementary instruction presenting an introduction to the varieties of contemporary educational thought. Each lesson presents an interview with an educator representative of a particular philosophy. Film clips illustrating the point of view are used. Originally broadcast once a week. No study guide. Produced, 1960-61.

Teacher: Harvey Mitchell Rice

Producing Agency: National Education Television and Radio Center

Distributor: same

English**COMMUNICATION SKILLS** 26 lessons, 25 minutes each.

Kinescope

CS-11

Supplementary instruction in language skills, with primary emphasis on speaking and writing. Subjects covered include patterns of organization, the process of revision, research techniques, articulation and pronunciation, and processes of reasoning. Student's guide. Produced, 1957-58.

Teacher: Variety of teachers from State University of Iowa

Producing Agency: State University of Iowa

Distributor: same

FRESHMAN ENGLISH 101 14 lessons, 25 minutes each.

Videotape

CS-12

Basic instruction designed as the first semester of a required language studies course for freshmen. Content focuses on written communication, reading and writing, sentence structure. Format is basically lecture combined with visual presentation of writing problems and the use of dramatic readings. No study guide. Produced, 1960-61.

Teacher: Paul Stoakes

Producing Agency: WFSU-TV

Distributor: same

PREVIEWS IN FRESHMAN ENGLISH 20 lessons, 30 minutes each.

Videotape

CS-76

Basic instruction as a sampling of the topics and problems met in college freshman English. Series designed to ready the high school senior for his first year English at the university. A set of notes and problems. Produced, 1962.

Teacher: David Bruner

Producing Agency: WOI-TV

Distributor: same

Other Television Users: KGLO-TV, KTCA-TV, KTVO, KUON-TV, KVTU, WMT-TV, WOW-TV

PUBLIC SPEAKING 13 lessons, 45 minutes each.

Videotape

CS-57

Basic instruction in speech. Course includes lectures, practice in parliamentary procedure, and the preparation and delivery of speeches. Broadcast originally once a week. No study guide. Produced, 1962-63.

Teacher: Loren Reid

Producing Agency: University of Missouri

Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information)

THE TWO R'S 36 lessons, 30 minutes each.

Videotape

AS-19

Basic instruction in English composition and grammar. Can be used as a general review for adults, as pre-college instruction for high school students, or as remedial work for college students. See main description in Adult section.

Foreign Languages**BEGINNING GERMAN (GERMAN 71 TV)** 26 lessons, 50 minutes each.

Videotape

CS-22

Supplementary instruction in conjunction with the first semester of beginning German course. Reading and recitation is emphasized by encouraging the student to respond to the TV teacher. Visual elements are used to identify objects for vocabulary development. Originally, each week two programs were broadcast, with the class also meeting for a non-broadcast session. Textbook used is Homberger-Ebelke's "Foundation Course in German". No study guide. Produced, 1961.

Teacher: Harold Lenz

Producing Agency: Queens College

Distribution: same

BEGINNING GERMAN (GERMAN 72 TV) 26 lessons, 50 minutes each. Videotape CS-23

Supplementary instruction in conjunction with the second semester of beginning German course. This follows Queen's College BEGINNING GERMAN (GERMAN 71 TV), see above. Vocabulary and grammar study continue the work of the first semester course. Special emphasis is placed on reading German from the printed page. Special rear-view screen devices are used for this purpose. Originally broadcast twice a week, with the class meeting for two non-broadcast lessons each week. Examination taken from Homberger-Ebelke's "Foundation Course in German", and Erich Maria Remarque's "Drei Kamarader". No study guide. Produced, 1962.

Teacher: Harold Lenz
Producing Agency: Queens College
Distributor: same

FOCUS ON GERMAN 45 lessons, 45 minutes each. Videotape CS-24

Supplementary instruction in beginning German. Each lesson presents a dramatic episode which provides material for discussion of the basic patterns and forms of the language. Use is made of visual aids and oral response from the student. Student's guide. Produced, 1962.

Teacher: Leroy R. Shaw
Producing Agency: The University of Texas
Distributor: same
Other Television Users: Texas Educational Microwave Project

FRENCH II (FH 201) 46 lessons, 30 minutes each. Videotape CS-21

Basic instruction in college French. Course deals with literature, culture, and reading skills. Films with French actors, drawings, and recordings are used to aid in the comprehension of the spoken and written word. Originally broadcast three times a week. Student's guide. Produced, 1960-61.

Teacher: Theodore Mueller
Producing Agency: WUFT
Distributor: Florida Institute For Continuing University Studies

History**AMERICAN HISTORY** 61 lessons, 40 to 45 minutes each. Videotape CS-74

Basic instruction in American history. Designed for freshmen and sophomores to provide an understanding of the cultural, social economic, and political development of the United States prior to 1960. Uses photographs, maps, charts and graphs, although it is primarily a lecture presentation. Originally broadcast twice a week. Teacher's manual and student's handbook. Produced, 1961 (revised, 1963).

Teacher: David B. Trimble
Producing Agency: Texas Educational Microwave Project
Distributor: University of Texas
Other Television Users: KLRN

Humanities**HUMANITIES** 90 lessons, 30 minutes each. Videotape CS-33

Basic instruction designed as part of a general education program for sophomores. It stresses the interrelationships of the arts and philosophy from Greek culture to the present. Live music, art, records, prints, discussions, and dramatic skits are used to illustrate the lecture. Originally broadcast three times a week. No study guide. Produced, 1959-61.

Teacher: Didier A. Graeffe
Producing Agency: WUFT
Distributor: Florida Institute For Continuing University Studies

HUMANITIES 62 lessons, 59 minutes each. Videotape CS-58

Basic instruction for college freshmen, offering an introduction to man's philosophical, religious scientific and artistic expressions. The first half of the course covers primitive, Egyptian, Greek, Hebrew, Christian and Muslim cultures, and closes with an appraisal of the Renaissance and the Reformation. In the second half, Western Culture is carried from the Age of Reason to the contemporary scene, with some attention paid to the Orient and the dominant world cultures of today. Broadcast originally two times a week. Teacher's and student's guides. Produced, 1961 (revised, 1962-63).

Teacher: H. G. Alexander
Producing Agency: KNME-TV
Distributor: same
Other Television Users: KTXT-TV

Journalism**COPY EDITING I** 30 lessons, 45 minutes each. Videotape CS-59

Basic instruction in journalism. The purposes and methods of copy-editing are studied. Broadcast originally two times a week. Workbook and outline. Produced, 1962-63.

Teacher: Dale Spencer
Producing Agency: University of Missouri
Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information).

MAGAZINE WRITING 30 lessons, 30 minutes each. Videotape CS-14

Basic instruction in the preparation of articles for publication in newspapers and magazines coordinated with the study of magazine-editing problems. Format is lecture-discussion. Originally broadcast twice a week. Student's guide. Produced, 1959-61.

Teacher: John Paul Jones
Producing Agency: WUFT
Distributor: Florida Institute For Continuing University Studies

Literature**ENGLISH LIFE AND LITERATURE-30** 29 lessons, 45 minutes each. Videotape CS-60

General survey of English literature from Beowulf to the Romantic Period. Broadcast originally two times a week. Textbook and syllabus. Produced, 1961.

Teacher: Donald Clark
Producing Agency: University of Missouri
Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information).

ENGLISH LIFE AND LITERATURE-40 29 lessons, 45 minutes each. Videotape CS-61

General survey of English literature from the Romantic Period to the present day. Broadcast originally two times a week. Textbook and syllabus. Produced, 1961.

Teacher: Donald Clark
Producing Agency: University of Missouri
Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information).

Literature/Mathematics/Political Science

EPIC AMERICA 31 lessons, 45 minutes each.

Videotape

CS-62

Basic instruction in American literature. The course, based on Neihardt's "A Cycle of the West", examines the epic period of American life, 1822-1890. Broadcast originally two times a week. No study guide. Produced, 1962-63.

Teacher: John Neihardt

Producing Agency: University of Missouri

Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information).

SCANDINAVIAN LITERATURE 10 lessons, 30 minutes each.

Kinescope

CS-63

Enrichment instruction in Scandinavian languages. The course deals with old Icelandic literature, the American-Scandinavian novel (Rolvaaag, Moberg), single works of Holberg, Ibsen, Strindberg, Jens Peter Jacobsen. Broadcast originally once a week. Student's guide. Produced, 1963.

Teacher: Sverre Arestad

Producing Agency: University of Washington

Distributor: same

Other Television Users: KCTS-TV

Mathematics

CALCULUS 120 lessons, 30 minutes each. **Videotape** **CS-64**

Basic instruction in traditional first year calculus for high school seniors or college freshmen. The course will cover the fundamentals of both differential and integral calculus, with special attention to the limit concept, the mean value theorem, and the fundamental theorem. Broadcast originally four times a week. Teacher's and student's guides. Produced, 1961 (revised, 1962).

Teacher: Ronald J. Clark

Producing Agency: WENH-TV

Distributor: same

Other Television Users: WHRO-TV

CALCULUS (INTERMEDIATE) 25 lessons, 30 minutes each.

Videotape

CS-37

Basic instruction in intermediate calculus. Although the course is complete in itself, small sections originally were meant for review and testing to supplement broadcasting meetings. Originally broadcast twice a week. Text used: Granville, Smith, Longley's "Elements of the Differential and Integral Calculus," new revised edition. No study guide. Produced, 1961.

Teacher: Leo Zippin

Producing Agency: Queens College

Distributor: same

COLLEGE ALGEBRA 80 lessons, 28 minutes and 50 seconds each.

Videotape

CS-65

Basic instruction in traditional college algebra that can also be taught to advanced high school students. Broadcast originally five days a week. Teacher's lesson outlines. Produced, 1960-1961 (revised, 1962).

Teacher: Mrs. Rhoda F. Lugenbeel

Producing Agency: South Carolina ETV center

Distributor: same

THE COMPUTER AND THE MIND OF MAN 6 lessons, 30 minutes each. **Film**

This enrichment series attempts to explore what the invention of the computer means to mankind. See Secondary section for course description.

COLLEGE

PLANE TRIGONOMETRY 41 lessons, 30 minutes each.

Kinescope

CS-39

Basic instruction in the fundamentals of trigonometry. Course content includes trigonometric functions, identities, graphs, logarithms, and solutions of triangles. Originally broadcast four times a week. Student's guide. Produced, 1957.

Teacher: Carl Allendoerfer

Producing Agency: University of Washington

Distributor: same

Other Television Users: KIRO-TV, KREM-TV, KVOS-TV

THE THIRD R 33 lessons, 30 minutes each. **Videotape** **CS-66**

Pre-college instruction in mathematics for students planning to enter college, or remedial instruction for those already in college who are deficient in mathematics, especially algebra. Broadcast originally three times a week. Student's text. Produced, 1962.

Teacher: Steele Andrews

Producing Agency: Auburn University

Distributor: same

TRIGONOMETRY 80 lessons, 29 minutes each.

Videotape

CS-67

Basic instruction in college trigonometry. Can also be taught to advanced high school students. Broadcast originally five times a week. Teacher's lesson outlines. Produced, 1962-63.

Teacher: Mrs. Rhoda F. Lugenbeel

Producing Agency: South Carolina ETV Center

Distributor: same

Political Science

AMERICAN GOVERNMENT 29 lessons, 45 minutes each.

Videotape

CS-68

Basic instruction in political science. An introduction to the organization and powers of national and state governments. Broadcast originally two times a week. Student's syllabus. Produced, 1962.

Teacher: Robert F. Karsch

Producing Agency: University of Missouri

Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information)

ANATOMY OF A REVOLUTION 15 lessons, 30 minutes each.

Kinescope and Videotape

Basic or supplementary instruction which deals with a study of revolutions. Questions discussed include: how revolutions came about; what they really achieve; in what ways they are, in terms of social psychology, pathological or at least abnormal; and how it may be possible to achieve necessary social, political, economic changes without the worst phases of revolution. Lectures are illustrated by film clips, cartoons, photographs, and portraits. No study guide. Produced, 1960.

Teacher: Crane Brinton

Producing Agency: National Educational Television and Radio Center

Distributor: same

COMMUNISM: MYTH VS. REALITY 37 lessons, 30 minutes each.

Videotape, Film and Kinescope

CS-75

Basic instruction as a comprehensive survey of Communism. Deals with it as a Russian, Chinese and world-wide political phenomenon. Composed of lectures by 40 specialists. Motion picture footage has been used in some lessons. Originally broadcast weekly. Bibliography, textbook, and teacher's guide. Produced, 1962-63.

Teachers: Specialists, including Howard Boorman, John Turkevich, Bernard Brodie, Doak Barnett, Charles Malamuth, Philip E. Mosely

Producing Agency: Research Institute on Communist Strategy and Propaganda, University of Southern California

Distributor: same

Other Television Users: 34 overseas stations of the Armed Forces Radio and TV Services

Political Science/Psychology/Science

CONSTITUTION AND HUMAN RIGHTS 16 lessons, 30 minutes each. **Kinescope**

Basic or enrichment instruction which deals with the origin and meaning of some of the important liberties safeguarded by specific provisions of the United States Constitution. Course deals mainly with the human rights secured by the work of the Philadelphia Convention. Topics include discussion of specific rights, habeas corpus, freedom of debate in Congress, privilege against self-incrimination, and prohibition of bills of attainder. No study guide. Produced, 1957.

Teacher: Zechariah Chafee, Jr.

Producing Agency: National Educational Television and Radio Center
Distributor: same

INTERNATIONAL RELATIONS 31 lessons, 45 minutes each. **Videotape** **CS-69**

Basic instruction in political science. Course examines contemporary international affairs including family of nations, control of national foreign policies, competition and cooperation in legal, political, economic, and social fields. Broadcast originally twice a week. Student's syllabus. Produced, 1961 (revised, 1962).

Teacher: Louis Kahle

Producing Agency: University of Missouri

Distributor: same (contact Great Plains Regional Instructional Television Library for distribution information)

Psychology

FOCUS ON BEHAVIOR 10 lessons, 30 minutes each. **Film**

Enrichment instruction in experimental psychology to show psychology as a scientific study of behavior. Filmed in the laboratories of leading scientists, it explains basic concepts and methods, and new advances. Among the topics covered are: perception, the brain and the nervous system, learning research, individual differences and psychological testing, computers and human mental processes. Series was produced under the auspices of the American Psychological Association by funds from the National Science Foundation. Teacher's guide and bibliography. Produced, 1963.

Host: John G. Darley. Among guests scientists are: Robert Sears, Herman Witkin, Eleanor Gibson, Lloyd Humphreys

Producing Agency: National Educational Television and Radio Center
Distributor: same

Television Users: NET-affiliated stations

GENERAL PSYCHOLOGY 31 lessons, 45 minutes each. **Videotape** **CS-71**

General survey of facts, principles, and methods in the study of human behavior. Broadcast originally two times a week. Student's lesson assignment sheets. Produced, 1962.

Teacher: Fred McKinney

Producing Agency: University of Missouri

Distributor: Great Plains Regional Instructional Television Library for states in its service area (see page 13). All others also contact the Great Plains Library which will arrange distribution from University of Missouri

PSYCHOLOGY ONE 39 lessons, 30 minutes each. **Kinescope**

Basic instruction in elementary psychology. Course presents the basic

facts and principles necessary to increase an understanding of man's awareness, thought and behavior. Stress is placed on the biological basis and development of these phenomena and the role of heredity and learning in determining human abilities and human efficiency. No study guide. Produced, 1956.

Teacher: Edwin Boring

Producing Agency: National Educational Television and Radio Center
Distributor: same

Science

CHEMISTRY 215 44 lessons, 29 minutes each. **Videotape** **CS-44**

Basic instruction in the elementary principles of modern chemistry. Originally broadcast three times a week. Format is lecture-demonstration. No study guide. Produced, 1960-61.

Teacher: John Baxter

Producing Agency: WUFT

Distributor: Florida Institute for Continuing University Studies
Other Television Users: WEDU

GENERAL BOTANY 40 lessons, 45 minutes each. **Videotape** **CS-77**

Basic instruction in the fundamental principles of botany. Broadcast originally three times a week. No study guide. Produced, 1964.

Teacher: Joseph M. Wood

Producing Agency: University of Missouri

Distributor: same (contact Great Plains Regional Instructional Television Library for information)

MECHANICAL BEHAVIOR OF SOLIDS 14 lessons, 120 minutes each. **Videotape** **CS-73**

Basic instruction designed to present by demonstration and tests the major aspects of the mechanical behavior of solids. The student is expected to note and record the results of tests that are conducted on materials. Some theory that would normally be included in a strength of materials course is reviewed. The major items covered are tension, compression, torsion, bending, hardness, time and temperature effects, stress concentrations, and columns. Broadcast originally once a week. Produced 1962. Student's guide.

Teacher: H. R. Wetenkamp and T. M. Elsesser

Producing Agency: University of Illinois

Distributor: same

Other Television Users: U. S. Military Academy

PRINCIPLES OF GENETICS 48 lessons, 30 minutes each **Film**

Basic instruction the field of genetics. Course is designed to follow a college introductory biology course. Fifteen prominent geneticists lecture on their respective specialties. They are E. Altenburg, G. W. Beadle, R. A. Brink, R. E. Cleland, J. F. Crow, Th. Dobzhansky, L. C. Dunn, J. Ledergerg, E. B. Lewis, H. J. Muller, J. Schultz, T. M. Sonneborn, G. L. Stebbins, C. Stern, J. D. Watson. Format is straight lecture utilizing blackboard, graphic materials and laboratory demonstrations. Course correlated with E. W. Sinnott, L. C. Dunn, Th. Dobzhansky's "Principles of Genetics". Student's guide. Produced, 1960.

Teacher: Irwin H. Herskowitz

Producing Agency: Calvin Productions [Sponsors: the Fund for the Advancement of Education, KETC (St. Louis, Mo.), and St. Louis University (St. Louis, Mo.)]

Distributor: McGraw-Hill Book Co., Inc.

COLLEGE

ADULT EDUCATION COURSES

AMERICAN POLICY IN THE FAR EAST 10 lessons, 29 minutes each. **Kinescope** **AS-10**

Supplementary instruction in history. First part of the course is a study of U.S. relations in the Far East prior to World War II. The final section brings the subject up to the present day. Originally broadcast once a week. Teacher's guide. Produced, 1963.

Teacher: Frank Williston

Producing Agency: University of Washington

Distributor: same

Other Television Users: KGW-TV, KING-TV, WABC-TV

BASIC EFFICIENT READING 12 lessons, 29 minutes and 30 seconds each. **Videotape** **AS-6**

Basic instruction for adults to increase reading rate and comprehension, to stimulate further growth in word power, and to develop complementary skills of listening, speaking and writing. Each lesson consists mainly of actual drill and testing. The study guide gives assignments in the text requiring from one to three hours outside practice a lesson. Originally broadcast once a week. Student's guide. Last revised, 1961.

Teacher: James I. Brown

Producing Agency: KTCA-TV

Distributor: same

BASIC ELECTRICITY 20 lessons, 30 minutes each **Videotape** **AS-41**

Basic instruction as a comprehensive survey of electrical fundamentals beginning with magnetism and electrostatics and ending with alternating current principles. Student's guide and manual. Produced, 1962.

Teacher: C. Barton Whitehouse

Producing Agency: Denver Public Schools

Distributor: Great Plains Regional Instructional Television Library for states in its service area (see page 13). All others also contact the Great Plains Library which will arrange distribution from Denver Public Schools.

BASIC GRAMMAR 30 lessons, 30 minutes each. **Kinescope** **AS-28**

Basic instruction designed for those in need of a review of the fundamentals of grammar. Content includes review of spelling, grammar, punctuation, sentence structure and use of words. Originally broadcast three times a week. Student's guide. Produced, 1959.

Teacher: Mrs. Margaret Walters

Producing Agency: University of Washington

Distributor: same

Other Television Users: KIMA-TV, KOMO-TV, KPTV, KREM-TV

BASIC LETTER WRITING 12 lessons, 30 minutes each. **Videotape** **AS-20**

Basic instruction in letter writing. Planned and presented for adults in business. Teacher claims his method will cut the cost of letters by two-thirds. Originally broadcast weekly. Student's guide and manual. Produced, 1962.

Teacher: John Wood Lippert

Producing Agency: KTCA-TV

Distributor: same

BOOKS FOR OUR TIME 17 lessons, 60 minutes each. **Videotape** **AS-13**

Enrichment series designed to examine the writings and ideas of the world's great authors. Leaders in the arts, sciences, and public affairs discuss books that have either changed or added to the history of thought and literary form. Originally broadcast once a week. No study guide. Produced, 1962.

Host: August Heckscher

Producing Agency: WNDT

Distributor: New York State Department of Education

Other Television Users: KQED, Mohawk-Hudson Council on ETV

BUSINESS IN OUR CONTEMPORARY SOCIETY 10 lessons, 30 minutes each. **Kinescope** **AS-25**

Enrichment instruction which examines business and its relations with other sectors of society. Topics discussed are the foundations of capitalism, the growth of business institutions, historical changes in business philosophies, work and leisure, business and government. Originally broadcast once a week. Student's guide. Produced, 1962.

Teacher: Joseph McGuire

Producing Agency: University of Washington

Distributor: same

Other Television Users: KING-TV, KVOS-TV

BUSINESS OF SUPERVISING 10 lessons, 30 minutes each. **Videotape and Kinescope** **AS-18**

Supplementary instruction to help train administrative supervisory personnel in management. Among the topics treated are: organization, communication, interviewing, attitudes, leadership, groups, appraisal. Originally broadcast once a week. Student's guide and text. Produced, 1962.

Teacher: Fred Seubert

Producing Agency: Oregon Educational Television Network

Distributor: KOAC-TV

Other Television Users: Oregon Industrial Accident Commission, Oregon Motor Vehicle Bureau

COMMUNISM: MYTH VS. REALITY 37 lessons, 30 minutes each. **Videotape, Film and Kinescope** **CS-75**

Basic instruction as a comprehensive survey of Communism. See main description in College section.

CONVERSATIONAL SPANISH 10 lessons, 30 minutes each. **Videotape** **AS-23**

Basic instruction in the Spanish language for those who want to learn to speak it. Originally broadcast weekly. Student's guide. Produced, 1963.

Teacher: Howard Hathaway

Producing Agency: KTCA-TV

Distributor: same

CREATIVITY 10 lessons, 30 minutes each. **Videotape** **AS-22**

Deals with creative methods of solving problems. Covers the nature of creativity, creative problem solving, brainstorming, idea evaluation, and a plan for self-ideation. Originally broadcast weekly. Student's guide and tests. Produced, 1963.

Teacher: E. M. Pickett

Producing Agency: KTCA-TV

Distributor: same

DESIGN DIMENSIONS 13 lessons, 30 minutes each. **Videotape** **AS-1**

Enrichment instruction aimed at giving an understanding of the role of the industrial designer in society. Series demonstrates the impact of industrial design on each individual's life and challenges traditional public concepts in the field. Originally broadcast once a week. Teacher's manual. Produced, 1961.

Teacher: Victor J. Papanek

Producing Agency: WNED-TV

Distributor: New York State Department of Education

Other Television Users: Corning (N.Y.) Public Schools, RAETA, WNYC-TV, WROC-TV, WTEN

ADULT EDUCATION**DIGGING UP THE GREEKS** 10 lessons, 30 minutes each.
Kinescope

AS-27

Enrichment instruction in the study of classical civilization. Course shows how archaeological discoveries are made and interpreted to shed light on the people and places of ancient Greece. Many well known buildings and works of art are illustrated, discussed, and related to the ideas and civilization of Greece from prehistoric times to the end of the Classical period. Originally broadcast once a week. Student's guide. Produced, 1961.

Teacher: Colin Edmonson

Producing Agency: University of Washington

Distributor: same

Other Television Users: KCTS-TV, KIMA-TV, KVOS-TV

ELECTRONICS AT WORK 90 lessons, 28 minutes and 50 seconds each. Videotape

Basic instruction in introductory electronics. Covers fundamental concepts from basic electron theory through television systems, using the step-by-step development of communications systems as a unifying theme. Uses demonstrations, photographs, graphic arts, animations and split-screen camera work. Originally broadcast three times a week. Teaching guides, exercise manuals and kits. Produced, 1962-63 (revised 1963).

Teacher: John W. Wentworth

Producing Agency: South Carolina ETV Center, and Electronics At Work

Distributor: Falcon Films (except for use in South Carolina and then contact South Carolina ETV Center).

FRENCH TROUGH TELEVISION 62 lessons, 30 minutes each.
Kinescope

Basic or supplementary instruction in the fundamentals of the French language. Course designed for beginners and those who have some reading knowledge of French and need work in the spoken language. Uses stick figures, the written word and a native French voice pronouncing the word. The student mimics this and learns through repetition and review. Entire course is conducted in French. "French Through Pictures" was published in conjunction with the course. Produced, 1957.

Teacher: Miss Christine Gibson

Producing Agency: National Education Television and Radio Center

Distributor: same

FROM MARX TO MAO 10 lessons, 30 minutes each.
Kinescope

AS-37

Enrichment instruction presenting a critical survey of Marxism, Leninism, and the thought of Mao as ideologies and guides to action. The historical development and the institutional meaning of Communist doctrine is discussed. Originally broadcast once a week. Student's guide. Produced, 1960.

Teacher: Karl Wittfogel

Producing Agency: University of Washington

Distributor: same

Other Television Users: KIRO-TV, KNDO, KOMO-TV, KVOS-TV

FUNCTIONAL ITALIAN 10 lessons, 30 minutes each.
Kinescope

AS-31

Enrichment instruction in college Italian. Course proposes to teach in a concise manner the essentials of the Italian language, so the student will have a workable vocabulary and a sound background in the language. There is also some concentration on cultural material. Originally broadcast once a week. Student's guide. Produced, 1960.

Teacher: Oscar Budel

Producing Agency: University of Washington

Distributor: same

Other Television Users: KIMA-TV, KIRO-TV, KOMO-TV, KVOS-TV

FUNDAMENTALS OF THE SLIDE RULE 13 lessons, 30 minutes each. Kinescope

AS-36

Basic instruction for the student who has no special technical or mathematical background. The course content includes: multiplication and division, ratios, percentages, and proportions. Square cubes, square roots, and cube roots are studied, along with demonstrations in the use of the slide rule to compute volumes, areas, and weights. Emphasis is placed on practical problems from business and daily life. Originally broadcast weekly. Student's guide. Produced, 1959.

Teacher: Herbert Boehmer

Producing Agency: University of Washington

Distributor: same

Other Television Users: KCTS-TV, KGW-TV, KREM-TV, KVOS-TV

GENETICS—THE STORY OF HEREDITY 15 lessons, 29 minutes and 30 seconds each. Videotape

AS-14

A study of genetics, ranging from an understanding of chromosomes, inheritance rules, effects of chemicals, mutations. Discusses the relationship of genetics to evolution and the origin of life. Originally broadcast once a week. Teacher's syllabus. Produced, 1963.

Teacher: James Crow

Producing Agency: WHA-TV

Distributor: same

HISTORY OF ENGLAND 15 lessons, 30 minutes each.
Kinescope

AS-33

Enrichment instruction presenting a history of England from Roman Britain to the present day. Originally broadcast once a week. Student's guide. Produced, 1958.

Teacher: Giovanni Costigan

Producing Agency: University of Washington

Distributor: same

Other Television Users: KCTS-TV, KGW-TV, KNDO, KREM-TV, KVOS-TV

HOW TO HELP YOUR CHILD GET THE MOST OUT OF SCHOOL 6 lessons, 25 minutes each. Kinescope

AS-7

Supplementary instruction designed to help parents understand their children and help their children get more out of school. Originally broadcast intermittently. Teacher's manual. Last revised, 1961-62.

Teacher: Mrs. Donald F. Lane

Producing Agency: Minneapolis Public Schools

Distributor: same

INTRODUCTION TO POETRY 12 lessons, 30 minutes each.
Kinescope

AS-34

Enrichment instruction which deals with the art of poetry. Course discusses the relationship of poetry to other arts, and to the creative mind, as well as the types, tools, ideas, and imagery of poetry. Selected poems are analyzed. Originally broadcast once a week. Student's guide. Produced, 1960.

Teacher: Lawrence J. Zillman

Producing Agency: University of Washington

Distributor: same

Other Television Users: KIRO-TV, KNDO, KOMO-TV, KREM-TV, KVOS-TV

ADULT EDUCATION

JAPANESE BRUSH PAINTING 13 lessons, 30 minutes each.

Kinescope

Enrichment instruction for adults in the technique of Japanese brush painting. It delves into the creative process involved in this type of art expression. In addition, this series attempts to express the art, philosophy and way of life of Japan. No study guide. Produced, 1957.

Teacher: Takahiko Mikami

Producing Agency: National Educational Television and Radio Center

Distributor: same

LAW IN SOCIETY 15 lessons, 30 minutes each. **Kinescope AS-17**

Basic instruction in law and our legal system. Designed to develop the viewer's knowledge of the legal framework in which our society functions. Also includes a brief survey of public and private law. Student's guide and brochure. Produced, 1963.

Teacher: Jack D. Heysinger

Producing Agency: University of Wichita

Distributor: same (contact Great Plains Regional Instructional Television Library for information)

Other Television Users: KARD-TV, KCKT, KGLD, KOMC

MAGIC LANTERN TO THE STARS 16 lessons, 30 minutes each.

Videotape

AS-3

Enrichment instruction which traces the development of the motion picture as an industry and an art form. Beginning with the invention of the daguerreotype and progressing from the silent classics to modern spectacles, the course examines the influence of the motion picture on society. Film clips are used from the archives of the George Eastman House of Photography, Rochester, N. Y. Originally broadcast once a week. No study guide. Produced, 1961.

Teacher: James Card

Producing Agency: WNED-TV

Distributor: New York State Department of Education

Other Television Users: Corning (N.Y.) Public Schools, RAETA, WGBH-TV, WGTW, WNED-TV, WNYC-TV, WROC-TV, WTEN, WXGA-TV

MATHEMATICS FOR PARENTS 12 lessons, 29 minutes each.

Kinescope

AS-12

Supplementary instruction designed to describe to parents the current revolution in the teaching of mathematics. Shows how the changes effect the teaching of arithmetic, algebra, geometry and trigonometry. Also explains how parents can help schools implement these advances in mathematics curricula. Originally broadcast once a week. Teacher's guide. Produced, 1963.

Teacher: Carl Allendoerfer

Producing Agency: University of Washington

Distributor: same

Other Television Users: KCTS-TV, KNDO, KOMO-TV, KPTV

MEDIEVAL ROMANCES 12 lessons, 30 minutes each.

Kinescope

AS-35

Enrichment instruction in the popular romance literature of the Middle Ages. Illustrations are drawn primarily from the great cycles of Arthurian romance. Emphasis is placed on the three main literary traditions: epic, chivalric, and religious. Originally broadcast once a week. Student's guide. Produced, 1958.

Teacher: David C. Fowler

Producing Agency: University of Washington

Distributor: same

Other Television Users: KIRO-TV, KNDO, KOMO-TV, KVOs-TV

OPERATION ALPHABET 100 lessons, 30 minutes each.

Videotape

AS-4

Basic instruction in adult literacy training. Originally broadcast five days a week. Student's guide. Produced, 1962.

Teacher: Alex Shevlin

Producing Agency: WFIL-TV

Distributor: same

Other Television Users: KBTW, KERA-TV, KETA-TV, KLRN, KMEX-TV, KONO-TV, KOSA-TV, KRON-TV, KTNT, KYW-TV, WAST, WBNS-TV, WBRZ, WCPO-TV, WDAF-TV, WEDU, WKNO-TV, WLBT, WLBW-TV, WLOS-TV, WLW-I, WMCT, WMVS-TV, WNED-TV, WOAY-TV, WOKR, WOSU-TV, WPIX, WSAZ-TV, WSBT-TV, WSFA-TV, WSLs-TV, WSM-TV, WTAE, WTEV, WTOL-TV, WUFT, WVEC-TV, WVUE

PAGING PARENTS 13 lessons, 29 minutes each.

Videotape and Kinescope

AS-9

Parent education series dealing with problems a child faces as he grows from infancy into adulthood. They include: dating, marriage, values, good citizenship, educational-occupational planning, school drop-outs. Designed to be followed by group discussions. One-page study-discussion guides and three books. Produced, 1962-63 (revised, 1963).

Teachers: Leland Glover, Lester Ristow, and Ivy Mooring

Producing Agency: California Congress of Parents and Teachers, Inc.

Distributor: same

Other Television Users: Alhambra (Cal.) City Schools, KRON-TV, KVIE, KVIQ-TV, Redondo Beach (Cal.) Schools

PEACE MAKERS 13 lessons, 29 minutes and 30 seconds each

Kinescope

AS-11

Enrichment instruction in history. Course studies the peace efforts of such prominent men as Nobel, Toynbee, Gandhi, Schweitzer, Hammaraskjold, Russell. Originally broadcast once a week. Teacher's guide and student's guide. Produced, 1963.

Teacher: Giovanni Costigan

Producing Agency: University of Washington

Distributor: same

Other Television Users: KCTS-TV, KGW-TV, KING-TV, WABC-TV

PRODUCTION MANAGEMENT 10 lessons, 30 minutes each.

Kinescope

AS-26

Enrichment instruction dealing with the forces, concepts and philosophy of the production function. Course discusses how these ideas are applied in a practical way to business life. Originally broadcast once a week. Student's guide. Produced, 1960.

Teacher: Albert N. Schrieber

Producing Agency: University of Washington

Distributor: same

Other Television Users: KIRO-TV, KNDO, KOMO-TV, KPTV, KVOs-TV

PROTECTING THE FAMILY 14 lessons, 30 minutes each.

Videotape

AS-16

Basic instruction in home nursing. Topics covered include: the symptoms of illnesses, the prevention of diseases, nutrition, body mechanics, medical supplies, safe water supply. Student's guide and brochure. Produced, 1963.

Teacher: Robert M. Holmer

Producing Agency: University of Wichita

Distributor: same (contact Great Plains Regional Instructional Television Library for information)

Other Television Users: KARD-TV, KCKT, KGLD, KOMC

PSYCHOLOGICAL ASPECTS OF SUPERVISION 12 lessons, 30 minutes each. **Videotape AS-21**

Basic instruction in the job of supervisor — how to secure cooperation, discipline and good morale. Includes techniques of delegation, communications, problem solving, and counseling. Originally broadcast once a week. Student's guide and weekly tests. Produced, 1962.

Teacher: Francis Hayes

Producing Agency: KTCA-TV

Distributor: same

ADULT EDUCATION

READING SCIENTIFIC RUSSIAN 12 lessons, 30 minutes each.

Kinescope

AS-40

Enrichment instruction aimed at those interested in learning to read and understand the scientific material published in the Russian language. The two introductory lessons concern the printed alphabet and reading of separate syllabi and words. The remainder of the course consists of readings in chemistry and physics. Originally broadcast once a week. Student's guide. Produced, 1961.

Teacher: Mrs. Leda Sagen

Producing Agency: University of Washington

Distributor: same

Other Television Users: KOMO-TV, KREM-TV, KVOB-TV

RECENT DEVELOPMENTS IN PSYCHOLOGY 10 lessons, 30 minutes each. Kinescope AS-39

Enrichment instruction in general psychology. Course presents discussions of recent research and theory in psychology and significant applications of psychological knowledge. Topics discussed include: human learning, teaching machines, mental health, attitudes and beliefs, "brain washing", psychological tests, and engineering psychology. Originally broadcast once a week. Student's guide. Produced, 1960.

Teacher: Robert E. Guild

Producing Agency: University of Washington

Distributor: same

Other Television Users: KIRO-TV, KNDO, KOMO-TV, KREM-TV, KVOB-TV

THE ROLE OF THE SUPERVISOR 12 lessons, 29 minutes and 30 seconds each. Videotape AS-8

Adult instruction designed to present a general view of the elements comprising the supervisor's job and its value to industry. Course aims to stimulate a desire for further study and self-development. Topics covered include interviewing, selection and placement of employees, job instruction, motivation and incentives, appraisal of performance, planning and organizing your time and maintaining discipline. Originally broadcast once a week. Student's guide. Last revised, 1961.

Teacher: John H. Farley and Howard P. Mold

Producing Agency: KTCA-TV

Distributor: same

RUSSIA AND THE MUSLIM WORLD 11 lessons, 30 minutes each. Kinescope AS-38

Enrichment instruction in history which surveys more than four centuries of Russian expansion at the expense of the Muslim World (1552-1960). Course deals with the impact of the Russian Revolution on the Muslim world and with the effectiveness of Soviet cultural and ideological propaganda among Muslim Peoples. The role of Soviet and Red Chinese Muslims in the Soviet program for the communization of the Near and Middle East is discussed. Attention is also given to the American stake in the Muslim world. Originally broadcast once a week. Student's guide. Produced, 1961.

Teacher: Ivar Spector

Producing Agency: University of Washington

Distributor: same

Other Television Users: KNDO, KOMO-TV, KREM-TV, KVOB-TV

SEW EASY 26 lessons, 13 minutes each. Film

Basic instruction aimed at assisting women with sewing problems. It takes the viewer step by step through the construction of a woman's dress. Originally broadcast daily. Student's guide. Produced, 1959.

Teacher: Miss Lucille Rea

Producing Agency: Iowa State University

Distributor: Irving X. Burg (except for use in Iowa and then contact Iowa State University)

SPEAKING OF THE SPEECHLESS 8 lessons, 30 minutes each. Videotape AS-15

Basic instruction in speech and logopedics. Covers the ways in which

children learn to talk, how speech defects begin, and methods that have been developed to alleviate the more common disorders. Techniques are demonstrated and guest experts discuss the subject. Student's guide and brochure. Produced, 1963.

Teacher: Martin F. Palmer

Producing Agency: University of Wichita

Distributor: same (contact Great Plains Regional Instructional Television Library for information).

Other Television Users: KARD-TV, KCKT, KGLD, KOMC

SPOKEN RUSSIAN 24 lessons, 30 minutes each.

Kinescope

AS-32

Basic instruction in beginning Russian. Course is designed to give student a simple reading and speaking vocabulary. Teaching method emphasizes speaking techniques, and accompanying the course is specially prepared reading material which assists the student to assimilate words and the rules of the language. Originally broadcast once a week. Student's guide. Produced, 1959.

Teacher: Mrs. Leda Sagen

Producing Agency: University of Washington

Distributor: same

Other Television Users: KGW-TV, KREM-TV, KIMA-TV, KVOB-TV

THE TWO R'S 36 lessons, 30 minutes each. Videotape AS-19

Basic instruction in English composition and grammar. Can be used as a general review of adults, as pre-college instruction for high school students, or remedial work for college students. Broadcast originally three times a week. Student's workbook and text. Produced, 1963.

Teacher: James R. Woodall

Producing Agency: Auburn University

Distributor: same

Other Television Users: WSFA-TV

VOCABULARY BUILDING 10 lessons, 30 minutes each.

Kinescope

AS-29

Enrichment instruction for those who need to enlarge their vocabularies. Course discusses word formations, work levels, accuracy and appropriateness in usage. Each lesson offers fifty or more useful words, and reading material using these words in context. Originally broadcast once a week. Student's guide. Produced, 1961.

Teacher: Mrs. Margaret Walters

Producing Agency: University of Washington

Distributor: same

Other Television Users: KCTS-TV, KIMA-TV, KREM-TV, KVOB-TV

WHAT IS PHYSICS 10 lessons, 30 minutes each.

Kinescope

AS-24

Enrichment instruction which investigates the meaning of physics. The first part of the course is devoted to the basic principles of mechanics, heat, electricity, and light, and the remainder to modern questions on quantum mechanics, relativity, atomic and nuclear physics, elementary particles, and cosmology. Originally broadcast once a week. Student's guide. Produced, 1957.

Teacher: John Streib

Producing Agency: University of Washington

Distributor: same

Other Television Users: KCTS-TV, KIMA-TV, KREM-TV, KVOB-TV

WONDERFUL WORLD OF LANGUAGE 10 lessons, 30 minutes each. Kinescope AS-30

Enrichment instruction which presents a survey of language and linguistics. Purpose of this course is to help students communicate more effectively with those who speak a different language. Originally broadcast once a week. Student's guide. Produced 1960.

Teacher: Carroll E. Reed

Producing Agency: University of Washington

Distributor: same

Other Television Users: KGW-TV, KIMA-TV, KREM-TV, KVOB-TV

IN-SERVICE EDUCATION COURSES

ARITHMETIC FOR GRADE THREE 30 pupil lessons and 9 in-service lessons, 15 minutes each.
Videotape and Kinescope **ES-130**

Supplementary instruction in arithmetic for third grade. See main description in Elementary section.

AUDIO-VISUAL EDUCATION 42 lessons, 30 minutes each.
Kinescope **PS-2**

Basic instruction designed primarily for elementary school teachers. Course was devised by seven audio-visual educators, and was supported by a Title VII grant of the National Defense Education Act. Combines correspondence study, supplementary reading assignments, and television viewing. Originally broadcast three times a week. Student's guide. Produced, 1959-60.

Teacher: Charles Schuller, Walter Witfich, Frederick White, Richard Hubbard, Lee Campion, W. C. Meierhenry, Vigo B. Rasmusen
 Producing Agency: University of Wisconsin, School of Education
 Distributor: University of Wisconsin, Extension Division

CREATIVITY IN EDUCATION 6 lessons, 29 minutes and 30 seconds each. **Kinescope** **PS-3**

An enrichment series designed to be used in teacher education, on the undergraduate, graduate, and in-service levels. Attention is given to implications for teaching derived from recent research and theory in creativity. A guest lecturer or discussant on creativity appears on each televised lesson. Originally broadcast once a week. Student's guide. Produced, 1962.

Teacher: Louise Berman
 Producing Agency: Milwaukee Public Schools
 Distributor: same

EXPLORING WITH SCIENCE 30 lessons, 14 minutes each.
Film **ES-44**

Supplementary instruction to show teachers how a wide variety of teaching techniques can be used to teach science to pupils in fifth and sixth grades. See Elementary section for course description.

LIVING SCIENCE-5 30 pupil lessons and 8 in-service lessons, 25 minutes each. **Videotape and Kinescope** **ES-66**

Supplementary instruction for fifth grade. Eight in-service teacher education lessons are included, in addition to the student lessons. See Elementary section for course description.

LIVING SCIENCE-6 30 pupil lessons and 8 in-service lessons, 25 minutes each. **Videotape and Kinescope** **ES-48**

Enrichment instruction for sixth grade. Eight in-service teacher lessons are included, in addition to the student lessons. See Elementary section for course description.

MODERN MATHEMATICS 30 lessons, 30 minutes each.
Videotape **PS-5**

Supplementary instruction for junior high school teachers. Course is primarily concerned with development of the logical structure of our number system. The postulational approach is used in a study of elementary algebra, leading to a general study of the laws of algebra. Emphasis is placed on the development of theorems in arithmetic and elementary algebra based on carefully formulated definitions and assumptions. Originally broadcast once a week. No study guide. Produced, 1961.

Teacher: Louis F. Scholl
 Producing Agency: WNED-TV
 Distributor: New York State Department of Education
 Other Television Users: WNED-TV

MUSIC CLASSES: AN OVERVIEW 10 lessons, 30 minutes each.
Videotape **PS-6**

Basic instruction for elementary school teachers. Course is correlated with the course, **MUSIC FOR LADS AND LASSES**, described in the Elementary section. Lessons discuss the autoharp, tuned bells, rhythm patterns, rhythm, melody, harmony, and acquaint teachers with the state music outline of California. Teacher's manual. Produced, 1959.

Teachers: Miss Joan Smith and Miss Joyce Stuermer
 Producing Agency: KVIE
 Distributor: same

PARLONS FRANCAIS I 60 pupil lessons, 15 teacher preparation lessons, 15 minutes each. **Film**

Basic instruction in French for third and fourth grades. There are fifteen teacher preparation lessons. See Elementary section for course description.

PARLONS FRANCAIS II 60 pupil lessons, 15 teacher preparation lessons, 15 minutes each. **Film**

Basic instruction in French for fourth and fifth grades. It follows **PARLONS FRANCAIS I** (see above). There are fifteen teacher preparation lessons. See Elementary section for course description.

PARLONS FRANCAIS III 60 pupil lessons, 15 minutes each; 11 teacher preparation lessons, 30 minutes each.
Videotape (film revision available after September 1964)

Basic instruction in French for fifth and sixth grades. It follows **PARLONS FRANCAIS II** (see above). There are eleven teacher preparation lessons. See Elementary section for course description.

PATTERNS IN ARITHMETIC — GRADE 4 69 pupil lessons, 14 minutes and 30 seconds each, 12 teacher lessons, 29 minutes and 30 seconds each. **Kinescope and Videotape** **ES-9**

Basic instruction in arithmetic for the fourth grade, including 69 student lessons and 12 teacher lessons. See Elementary section for course description.

PATTERNS IN ARITHMETIC — GRADE 5 68 pupil lessons, 14 minutes and 30 seconds each, 12 teacher lessons, 29 minutes and 30 seconds each. **Kinescope and Videotape** **ES-10**

Basic instruction in arithmetic for fifth grade, including 68 student lessons and 12 teacher lessons. See Elementary section for course description.

PATTERNS IN ARITHMETIC — GRADE 6 68 pupil lessons, 14 minutes and 30 seconds each, 12 teacher lessons, 29 minutes and 30 seconds each. **Kinescope and Videotape** **ES-11**

Basic instruction in arithmetic for sixth grade, including 68 student lessons and 12 teacher lessons. See Elementary section for course description.

PATTERNS IN MATHEMATICS 76 lessons, 25 minutes each.
Videotape **SS-3**

Basic instruction in first year algebra for eighth or ninth grades. It can also be used for in-service teacher training. See Secondary section for course description.

PRIMARY CONCEPTS IN MATHEMATICS 15 lessons, 24 minutes each. **Film** **ES-4**

Supplementary instruction in third and fourth grade arithmetic that can also be used to show teachers how the concepts of modern mathematics can be taught in these grades. See Elementary section for course description.

IN-SERVICE EDUCATION

PRIMARY CONCEPTS IN SCIENCE 15 lessons, 14 minutes each. **Film ES-47**

Supplementary instruction in science for the third and fourth grades that can also be used to show teachers how the concepts of physical and biological science can be taught in those grades. See Elementary section for course definition.

SAY YES TO THE MUSIC 4 lessons, 30 minutes each. **Videotape PS-7**

This is an in-service course designed for use by classroom teachers and music specialists. It attempts to present a creative approach to elementary music training, describe specific techniques and procedures, and show educated musical behavior of children. Children and classroom teachers are used to illustrate. It can be broadcast as frequently as suits the user's needs. Teacher's syllabus. Produced, 1962.

Teacher: Robert Thomas

Producing Agency: WSIU-TV

Distributor: same

SETS AND SYSTEMS 15 lessons, 30 minutes each **Videotape PS-12**

Basic instruction designed primarily for elementary school teachers. Stresses the major concepts and underlying principles of sets and systems as taught in contemporary mathematics. Broadcast originally once a week. Teacher's series outline and glossary. Produced, 1963-64.

Teacher: Miss Elizabeth Boisclair

Producing Agency: Greater Washington Educational Television Association

Distributor: same

Other Television Users: member stations of the Eastern Educational Network

TEACHING MATHEMATICS 15 lessons, 29 minutes each. **Kinescope PS-8**

Basic instruction for elementary mathematics teachers, both on undergraduate and in-service level. In the teaching of fundamental concepts, the "why" of mathematics is emphasized rather than the "how". The methods presented in the course vary, and an attempt has been made to achieve a balance between the conservative and the progressive. Originally

broadcast once a week. Teacher's manual. Produced, 1962.

Teacher: Sister M. Leontius

Producing Agency: KTCA-TV

Distributor: College of St. Teresa

TEACHING OF READING 20 lessons, 29 minutes and 30 seconds each. **Videotape PS-9**

Basic course for secondary school teachers and college students doing in-service teaching. Course includes discussion of theories concerning reading, principles and techniques of in-class instruction, and methods of testing and evaluation. Originally broadcast two times a week. No study guide. Produced, 1962-63.

Teacher: Larry Hafner

Producing Agency: WSIU-TV

Distributor: same

THE THIRD R 35 lessons, 30 minutes each. **Videotape PS-11**

An in-service course for teachers, presenting modern methods of teaching mathematics in elementary grades. The two main purposes of the course are to present to the teacher some of the concepts and to show how to use these in the classroom. Originally broadcast once a week. Teacher's guide. Produced, 1962.

Teacher: Robert F. Williams

Producing Agency: Mohawk-Hudson Council on ETV

Distributor: New York State Department of Education

YA HABLAMOS ESPANOL — SPANISH FOR TEACHERS 32 lessons, 20 minutes each. **Videotape PS-10**

An in-service course for teachers dealing primarily with the teaching of Spanish in the elementary grades. Although produced to accompany the Minnesota Council for School Television's YA HABLAMOS ESPANOL series described in the Elementary section, it can also be used independent of it. Originally broadcast once a week. No study guide. Produced 1962-63.

Teacher: Howard Hathaway

Producing Agency: Minnesota Council for School Television

Distributor: same

TELECOURSES PLANNED OR IN PRODUCTION

Title	Distributor	Available
ELEMENTARY		
ADVENTURES WITH READING	Minneapolis Public Schools	
ART AND YOU	WSIU-TV	
HEALTH	Minneapolis Public Schools	
HOW TO STAY WELL	Minneapolis Public Schools	
INTERMEDIATE SCIENCE	The 21-Inch Classroom	January, 1965
OUR NUMERATION SYSTEM	Minneapolis Public Schools	
OUR WESTERN WORLD	WSIU-TV	
TUNE-UP TIME	Minneapolis Public Schools	
SECONDARY		
GEOGRAPHY	The 21-Inch Classroom	January, 1965
GROWTH OF NATION	WSIU-TV	
WORLD AROUND US	WSIU-TV	
COLLEGE		
SPECIAL COLLEGE WRITING	University of Detroit	

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*Where a course has the same title as another, and they have different distributors, the distributors are given for clarification.

**All courses indicated here as "in production" are listed in the section, "Telecourses Planned or In Production". The rest are described in the main body, "Guide to Telecourses", which is subdivided into elementary, secondary, college, adult education, and in-service teacher education.

ADDRESSES OF PRODUCING AGENCIES AND DISTRIBUTORS

- ALABAMA, UNIVERSITY OF, David W. Marxer, Program Supervisor, Broadcasting Services, University, Alabama
- AUBURN UNIVERSITY, Odell Skinner, Program Manager, Auburn, Alabama
- BURG, IRVING X., 1932 Midlothian, Alta Dena, California
- CALIFORNIA CONGRESS OF PARENTS AND TEACHERS, INC., 930 Georgia Street, Los Angeles, California
- CALVIN PRODUCTIONS, Lee Davis, 1105 Truman Avenue, Kansas City 6, Missouri
- CATHOLIC SCHOOLS OF THE ARCHDIOCESE OF MILWAUKEE, Sister Mary Jogues, 437 West Galena Street, Milwaukee 12, Wisconsin
- CINCINNATI PUBLIC SCHOOLS, Miss Helen Seel, Supervisor of Radio-Television, Department of Instruction, 2355 Iowa Avenue, Cincinnati 6, Ohio
- COLUMBUS PUBLIC SCHOOLS, John Sittig, Director of Radio and Audiovisual, 270 East State Street, Columbus, Ohio
- DALLAS INDEPENDENT SCHOOL DISTRICT, H. W. Embry, Audiovisual Coordinator, 3700 Ross Avenue, Dallas 1, Texas
- DENVER PUBLIC SCHOOLS, Gerald J. Willsen, Director, Radio-Television, 414 14th Street, Denver, Colorado
- DETROIT, UNIVERSITY OF, John Schmittroth, Executive Secretary, Department of English, 4001 W. McNichols, Detroit 21, Michigan
- ELECTRONICS AT WORK, John W. Wentworth, P. O. Box 96, Barrington, New Jersey
- ENCYCLOPAEDIA BRITANNICA FILMS, INC., Jim Garner, Assistant to the Director of Distribution, Wilmette, Illinois
- EUGENE PUBLIC SCHOOLS, Miss Kenar Charkoudian, Television-Radio Coordinator, 275 7th Avenue, East, Eugene, Oregon
- FALCON FILMS, 475 Fifth Avenue, New York 17, New York
- FLORIDA INSTITUTE FOR CONTINUING UNIVERSITY STUDIES, Harvey K. Mever, Dean, Division of Radio and Television, Room 803, Seagle Building, Gainesville, Florida
- GREATER WASHINGTON EDUCATIONAL TELEVISION ASSOCIATION, Mrs. Mary Jane Phillips, Director of School Services, 1001 Vermont Avenue, N. W., Washington 5, D. C.
- GREAT PLAINS REGIONAL INSTRUCTIONAL TELEVISION LIBRARY, Tracy Clement, West Stadium, The University of Nebraska, Lincoln 8, Nebraska
- HEATH DE ROCHEMONT CORPORATION, Angela McDermott, TV Consultant, 285 Columbus Avenue, Boston 16, Massachusetts
- ILLINOIS, UNIVERSITY OF, Charles J. McIntyre, Director, Office of Instructional Television, Bevier Hall, Urbana, Illinois
- INSTRUCTIONAL TELEVISION LIBRARY PROJECT (see page 13)
- Great Plains Regional Instructional Television Library, West Stadium, University of Nebraska, Lincoln, Nebraska 68508
- National Instructional Television Library, 10 Columbus Circle, New York, New York 10019
- Northeastern Regional Instructional Television Library, Eastern Education Network, 238 Main Street, Cambridge, Massachusetts 02142
- IOWA, STATE UNIVERSITY OF, J. B. Kniper, Acting Director of Television Center, Iowa City, Iowa
- IOWA STATE UNIVERSITY, James H. Davis, Associate General Manager, WOI-AM, FM, TV, Ames, Iowa
- JUNIOR HIGH SCIENCE TELEVISION COUNCIL, c/o W. W. Kemmerer, Director of Research and Development, KTCA-TV, 1640 Como Avenue, St. Paul 13, Minnesota
- KCTS-TV, June Dilworth, Director of School Broadcasting, Drama-TV Building, University of Washington, Seattle 5, Washington
- KLRN, Harvey Herbst, Station Manager, Southwest Texas Educational Television Council, P.O. Box 7158, Austin 12, Texas
- KNME-TV, F. Claude Hempen, Station Manager, 1801 Roma, N. E., Albuquerque, New Mexico
- KOAC-TV, Robert C. Hinz, Director of Operations, Covell Hall, Oregon State University, Corvallis, Oregon
- KQED, Raymond L. Smith, Director of Instructional Television, 525 Fourth Street, San Francisco 7, California
- KTCA-TV, W. W. Kemmerer, Director of Research and Development, 1640 Como Avenue, St. Paul 13, Minnesota
- KUED, Byron J. Openshaw, Program Manager, 101 Music Hall, University of Utah, Salt Lake City 12, Utah
- KUHT, C. P. Zimmerman, Jr., Program Director, Cullen Building, University of Houston, Houston 4, Texas
- KUON-TV, Boyd Rooney, Production Director, University of Nebraska, Lincoln 8, Nebraska
- KVIE, Victor Hyden, Director of School Telecasts, P. O. Box 6, Sacramento 21, California
- LANSING PUBLIC SCHOOLS, John Marrs, Board of Education Building, 419 N. Capitol, Lansing, Michigan
- MAINE DEPARTMENT OF EDUCATION, Michael P. O'Donnell, State ETV Supervisor, Augusta, Maine
- MASSACHUSETTS COUNCIL FOR THE HUMANITIES, INC., 687 Boylston Street, Boston, Massachusetts
- McGRAW-HILL BOOK CO., INC., Albert J. Rosenberg, Vice-President, 330 West 42nd Street, New York 36, New York
- MIDWEST PROGRAM ON AIRBORNE TELEVISION INSTRUCTION, William Fagan, National Distribution Division, Purdue University, Lafayette, Indiana
- MILWAUKEE PUBLIC SCHOOLS, Robert R. Suchy, Director, Education TV Department, 5225 W. Vliet Street, Milwaukee 8, Wisconsin
- MINNEAPOLIS PUBLIC SCHOOLS, Harold J. Gregory, Consultant, Radio-Television Education, 807 N.E. Broadway, Minneapolis, Minnesota
- MINNESOTA COUNCIL FOR SCHOOL TELEVISION, c/o W. W. Kemmerer, Director of Research and Development, KTCA-TV, 1640 Como Avenue, St. Paul 13, Minnesota
- MINNESOTA PRIVATE COLLEGE COUNCIL, B. J. Kemper, Executive Director, 906 Northwestern Bank Building, Minneapolis 2, Minnesota
- MISSOURI, UNIVERSITY OF, Bart L. Griffith, Director, Instructional Television, Columbia, Missouri
- MODERN LANGUAGE PROJECT, 9 Newbury Street, Boston 16, Massachusetts
- MOHAWK-HUDSON COUNCIL ON ETV, Riverside School, Front Street, Schenectady, New York
- NATIONAL EDUCATIONAL TELEVISION AND RADIO CENTER, Edwin G. Cohen, Director of Instructional Television, 10 Columbus Circle, New York 19, New York
- NATURAL SCIENCE TELEVISION PROJECT, Alan Stephenson, The 21-Inch Classroom, 739 Boylston Street, Boston 16, Massachusetts
- NEBRASKA COUNCIL FOR EDUCATIONAL TELEVISION, INC., V. J. Christenson, Director, Room 15, Teachers College Building, University of Nebraska, Lincoln 8, Nebraska
- NEW YORK STATE DEPARTMENT OF EDUCATION, Bernarr Cooper, Chief, Bureau of Mass Communications, Division of Educational Communications, Albany 1, New York
- OREGON EDUCATIONAL TELEVISION NETWORK, c/o Luke Lamb, Coliseum, Oregon State University, Corvallis, Oregon

- PASADENA PUBLIC SCHOOLS, Allan W. Fink, Coordinator of Learning Materials, Education Center, 351 S. Hudson, Pasadena, California
- PENNSYLVANIA DEPARTMENT OF PUBLIC INSTRUCTION, Marcus Konick, Bureau of Instructional Materials and Mass Media, Commonwealth of Pennsylvania, Box 911, Harrisburg, Pennsylvania
- QUEENS COLLEGE, Frank Kahn, Acting Director of Broadcasting, Flushing 67, New York
- RESEARCH INSTITUTE ON COMMUNIST STRATEGY AND PROPAGANDA, James A. Cook, Producer, University of Southern California, Los Angeles 7, California
- ROBBINSDALE INDEPENDENT SCHOOL DISTRICT No. 281, Hedi Oplesch, Foreign Language Consultant, Robbinsdale Schools, Robbinsdale 22, Minnesota
- ROCHESTER AREA ETV COUNCIL, 410 Alexander Street, Rochester, New York
- ST. TERESA, COLLEGE OF, Sister M. Thomas á Kempis, Mathematics Department, Winona, Minnesota
- SEATTLE PUBLIC SCHOOLS, 815 4th Avenue N., Seattle 5, Washington
- SOUTH CAROLINA ETV CENTER, Jack Neel, Assistant Education Director, 2712 Millwood Avenue, Columbia, South Carolina
- SOUTHERN FINGER LAKES EDUCATIONAL TELEVISION COUNCIL, Halas L. Jackim, ETV Project Director, 291 East First Street, Corning, New York
- TEXAS, UNIVERSITY OF, Robert D. Squier, Television Program Director, Radio and Television, Austin 12, Texas
- TEXAS EDUCATIONAL MICROWAVE PROJECT, Robert D. Squier, Television Program Director, Radio and Television, University of Texas, Austin 12, Texas
- THOMAS ORGAN CO., Bruce W. Marr, Assistant Sales Promotion Manager, 8345 Hayvenhurst Avenue, Sepulveda, California
- 21-INCH CLASSROOM, Alan R. Stephenson, Director, 739 Boylston Street, Boston 16, Massachusetts
- WDCN-TV, Robert C. Glazier, General Manager, P. O. Box 6188, Acklen Station, Nashville 12, Tennessee
- WENH-TV, Keith J. Nighbert, General Manager, Box Z, Durham, New Hampshire
- WETA-TV, Mrs. Mary Jane Phillips, Director of School Services, 1903 N Street, N. W., Washington 6, D. C.
- WFIL-TV, Lew Klein, Program Manager, 46th and Market Streets, Philadelphia, Pennsylvania
- WFSU-TV, Duane Franceschi, Program Manager, University Broadcasting Services, 202 Graduate Building, Florida State University, Tallahassee, Florida
- WGBH-TV, Gene Nichols, Executive Producer of School Broadcasting, 238 Main Street, Cambridge 42, Massachusetts
- WHA-TV, Steve Markstrom, Assistant Manager, University of Wisconsin, 600 N. Park Street, Madison 6, Wisconsin
- WKNO-TV, Howard D. Holst, Managing Director, Memphis State University, Box 642, Patterson Avenue, Memphis, Tennessee
- WMHT, Erik Van de Bogart, P. O. Box D, Schenectady, New York
- WMSB, Charles Ruffing, Coordinator of In-School Programs, Michigan State University, 600 Kalamazoo Street, East Lansing, Michigan
- WNDT, James Macandrew, Director, School Television Service, 1657 Broadway, New York 19, New York
- WNED-TV, Anthony Cherubini, Program Manager, Hotel Lafayette, Buffalo 3, New York
- WOI-AM, FM, TV, James R. Davis, Associate General Manager, Iowa State University, Ames, Iowa
- WOSU-TV, David H. Ayers, Program Manager, 2470 North Starr Road, Columbus 21, Ohio
- WQED, Rhea Sikes, Assistant Program Manager and Director of School Services, 4337 Fifth Avenue, Pittsburgh 13, Pennsylvania
- WSIU-TV, Buren C. Robbins, General Manager, Southern Illinois University, Carbondale, Illinois
- WUFT, John R. Haney, Program Manager, University of Florida, 234 Stadium Street, Gainesville, Florida
- WASHINGTON, UNIVERSITY OF, John D. Brown, Television Coordinator, Telecourses Department, 322 Lewis Hall, Seattle 5, Washington
- WICHITA, UNIVERSITY OF, Richard J. Meyer, Director of ETV, Wichita 8, Kansas
- WISCONSIN, UNIVERSITY OF, EXTENSION DIVISION, Madison, Wisconsin
- WISCONSIN, UNIVERSITY OF, SCHOOL OF EDUCATION, L. C. West, Audiovisual Television Project, Madison, Wisconsin
- WISCONSIN SCHOOL OF THE AIR, Miss Arlene McKellar, Associate Director, Radio Hall, University of Wisconsin, Madison, Wisconsin

KEY TO "OTHER TELEVISION USERS"

- ALACHUA COUNTY PUBLIC SCHOOLS, Gainesville, Florida
- ALAHAMBRA CITY SCHOOLS, Alhambra, California
- ARMED FORCES RADIO AND TV SERVICES, Los Angeles California
- ATLANTA BOARD OF EDUCATION, Atlanta, Georgia
- CHCT-TV, Calgary, Alberta, Canada
- CANADIAN BROADCASTING CORPORATION, Ottawa, Ontario, Canada
- CLEVELAND PUBLIC SCHOOLS, Cleveland, Ohio
- COOPERATIVE EDUCATIONAL TELEVISION PROJECT (Eugene Public Schools) Eugene, Oregon
- CORNING PUBLIC SCHOOLS, Corning, New York
- DALLAS INDEPENDENT SCHOOL DISTRICT, Dallas, Texas
- EASTERN EDUCATIONAL NETWORK, Cambridge, Massachusetts
- HAGERSTOWN CLOSED-CIRCUIT, Hagerstown, Maryland
- HAMILTON COUNTY SCHOOL SYSTEM, Hamilton County, Ohio
- KARD-TV, Wichita, Kansas
- KBTB, Denver, Colorado
- KCKT, Great Bend, Kansas
- KCOP, Los Angeles, California
- KCTS-TV, Seattle, Washington
- KDPS-TV, Des Moines, Iowa
- KEPR-TV, Pasco, Washington
- KERA-TV, Dallas, Texas
- KETA-TV, Oklahoma City, Oklahoma
- KETC, St. Louis, Missouri
- KETV, Omaha, Nebraska
- KGLD, Garden City, Kansas
- KGLO-TV, Mason City, Iowa
- KGW-TV, Portland, Oregon
- KHOL, Kearney, Nebraska
- KIMA-TV, Yakima, Washington
- KING-TV, Seattle, Washington
- KIRO-TV, Seattle, Washington
- KLRN, Austin, Texas
- KLSE, Monroe, Louisiana
- KMEX-TV, Los Angeles, California
- KNDO, Yakima, Washington
- KOAC-TV, Corvallis, Oregon
- KOAP, Portland, Oregon
- KOED-TV, Tulsa, Oklahoma
- KOET, Ogden, Utah
- KOKH-TV, Oklahoma City, Oklahoma
- KOMC, Oberlin-McCook, Kansas
- KOMO-TV, Seattle, Washington
- KONO-TV, San Antonio, Texas
- KOSA-TV, Odessa, Texas
- KPTV, Portland, Oregon
- KQED, San Francisco, California
- KREM-TV, Spokane, Washington
- KRMA-TV, Denver, Colorado
- KROD-TV, El Paso, Texas
- KRON-TV, San Francisco, California
- KSTF, Scottsbluff, Nebraska
- KTCA-TV, St. Paul, Minnesota
- KTNT, Tacoma, Washington
- KTVA, Anchorage, Alaska
- KTVO, Atumwa, Iowa
- KTXT-TV, Lubbock, Texas
- KUAT, Tucson, Arizona
- KUED, Salt Lake City, Utah
- KUHT, Houston, Texas
- KUON-TV, Lincoln, Nebraska
- KUSD-TV, Vermillion, South Dakota
- KVCR-TV, San Bernardino, California
- KVIE, Sacramento, California
- KVIP-TV, Redding, California
- KVIQ-TV, Eureka, California
- KVOS-TV, Bellingham, Washington
- KVTV, Sioux City, Iowa
- KXLF-TV, Butte, Montana
- KYVE-TV, Yakima, Washington
- KYW-TV, Cleveland, Ohio
- LOS ANGELES COUNTY SCHOOLS, Los Angeles, California
- MILWAUKEE PUBLIC SCHOOLS, Milwaukee, Wisconsin
- MOHAWK-HUDSON COUNCIL ON ETV, Schenectady, New York
- NASHVILLE BOARD OF EDUCATION, Nashville, Tennessee
- NET-AFFILIATED STATIONS, National Educational Television and Radio Center, New York, New York
- NORTHERN ILLINOIS UNIVERSITY, DeKalb, Illinois
- OKLAHOMA CITY BOARD OF EDUCATION, Oklahoma City, Oklahoma
- OKLAHOMA CITY PUBLIC SCHOOLS, Oklahoma City, Oklahoma
- OREGON INDUSTRIAL ACCIDENT COMMISSION, Salem, Oregon
- OREGON MOTOR VEHICLE BUREAU, Salem, Oregon
- PENNSYLVANIA DEPARTMENT OF PUBLIC INSTRUCTION, Harrisburg, Pennsylvania
- PENNSYLVANIA EDUCATIONAL TELEVISION NETWORK (Pennsylvania Dept. of Public Instruction) Harrisburg, Pennsylvania
- PUEBLO PUBLIC SCHOOLS, Pueblo, Colorado
- RAETA, (Rochester Area Educational Television Association), Rochester, New York
- REDONDO BEACH SCHOOLS, Redondo Beach, California
- ROCHESTER ETV ASSOCIATION, Rochester, New York
- ST. LAWRENCE ETV COUNCIL, Watertown, New York
- SAN JOAQUIN VALLEY ETV ASSOCIATION, Fresno, California

SOUTH CAROLINA ETV CENTER, Columbia, South Carolina
 SOUTH CAROLINA ETV NETWORK, Columbia, South Carolina
 SOUTHEAST SOUTH DAKOTA ITV COUNCIL, Vermillion, South Dakota
 SOUTHERN COLORADO ETV ASSOCIATION, Pueblo, Colorado
 SOUTHERN TIER EDUCATIONAL TELEVISION ASSOCIATION, Binghamton, New York
 TELEVISION BRANCH, FORT GORDON, Fort Gordon, Georgia
 TEXAS EDUCATIONAL MICROWAVE PROJECT, (University of Texas), Austin, Texas
 TOLEDO PUBLIC SCHOOLS, Toledo, Ohio
 TRI-COUNTY ETV COUNCIL, Chicago, Illinois
 U. S. MILITARY ACADEMY, West Point, New York
 WABC-TV, New York, New York
 WAIQ, Montgomery, Alabama
 WAST, Albany, New York
 WBIQ, Birmingham, Alabama
 WBNS-TV, Columbus, Ohio
 WBOC-TV, Salisbury, Maryland
 WBRE-TV, Wilkes-Barre, Pennsylvania
 WBRZ, Baton Rouge, Louisiana
 WCBB, Augusta, Maine
 WCET, Cincinnati, Ohio
 WCIQ, Mt. Cheaha State Park, Alabama
 WCNY-TV, Carthage, New York
 WCPO-TV, Cincinnati, Ohio
 WDAF-TV, Kansas City, Missouri
 WDAU, Scranton, Pennsylvania
 WDIQ, Dozier, Alabama
 WEDH-TV, Hartford, Connecticut
 WEDU, Tampa, Florida
 WEGA-TV, Savannah, Georgia
 WENH-TV, Durham, New Hampshire
 WETA-TV, Washington, D. C.
 WETV, Atlanta, Georgia
 WFBG-TV, Altoona, Pennsylvania
 WFGA-TV, Jacksonville, Florida
 WFIL-TV, Philadelphia, Pennsylvania
 WFSU-TV, Tallahassee, Florida
 WGAL-TV, Lancaster, Pennsylvania
 WGBH-TV, Boston, Massachusetts
 WGR-TV, Buffalo, New York
 WGTE-TV, Toledo, Ohio
 WGTV, Athens, Georgia
 WHA-TV, Madison, Wisconsin
 WHP-TV, Harrisburg, Pennsylvania
 WHRO-TV, Norfolk, Virginia
 WHYI-TV, Philadelphia, Pennsylvania
 WICU-TV, Erie, Pennsylvania

WILL-TV, Urbana, Illinois
 WJAC-TV, Johnstown, Pennsylvania
 WJCT, Jacksonville, Florida
 WJRT, Flint, Michigan
 WKNO-TV, Memphis, Tennessee
 WLBT, Jackson, Mississippi
 WLBW-TV, Miami, Florida
 WLOS-TV, Asheville, North Carolina
 WLW-I, Indianapolis, Indiana
 WLYH-TV, Lebanon, Pennsylvania
 WMCT, Memphis, Tennessee
 WMEA, Mars Hill, Maine
 WMEB-TV, Orono, Maine
 WMHT, Schenectady, New York
 WMSB, East Lansing, Michigan
 WMT-TV, Cedar Rapids, Iowa
 WMVS-TV, Milwaukee, Wisconsin
 WNBK-TV, Binghamton, New York
 WNDT, New York, New York
 WNED-TV, Buffalo, New York
 WNTV, Spartanburg, South Carolina
 WNYC-TV, New York, New York
 WOAY-TV, Oak Hill, West Virginia
 WOI-TV, Ames, Iowa
 WOKR, Rochester, New York
 WOSU-TV, Columbus, Ohio
 WOUB-TV, Athens, Ohio
 WOW-TV, Omaha, Nebraska
 WPIX, New York, New York
 WQED, Pittsburgh, Pennsylvania
 WROC-TV, Rochester, New York
 WSAZ-TV, Huntington, West Virginia
 WSBT-TV, South Bend, Indiana
 WSEE, Erie, Pennsylvania
 WSFA-TV, Montgomery, Alabama
 WSIU-TV, Carbondale, Illinois
 WSLS-TV, Roanoke, Virginia
 WSM-TV, Nashville, Tennessee
 WTAE, Pittsburgh, Pennsylvania
 WTEN, Albany, New York
 WTEV, New Bedford, Massachusetts
 WTOL-TV, Toledo, Ohio
 WTPA, Harrisburg, Pennsylvania
 WTTW, Chicago, Illinois
 WTVS, Detroit, Michigan
 WUFT, Gainesville, Florida
 WUNC-TV, Chapel Hill, North Carolina
 WVEC-TV, Hampton, Virginia
 WVUE, New Orleans, Louisiana
 WXGA-TV, Waycross, Georgia
 WYES-TV, New Orleans, Louisiana

SELECTED PUBLICATIONS ON INSTRUCTIONAL TELEVISION

Campion, Lee E. and Clarice Y. Kelley, Studies in the Growth of Instructional Technology, II: A Directory of Closed-Circuit Television Installations in American Education With a Pattern of Growth. Washington, D. C.: Department of Audiovisual Instruction, National Education Association, 1963. 140 pp.

A survey of the scope and consequences of closed-circuit instructional television systems in the U. S. It was prepared under a contract with the U. S. Office of Education under Title VII of the National Defense Education Act. Includes directories to closed-circuit installations subdivided into educational installations, medical and dental colleges, military, and community antenna systems.

Cassirer, Henry R., Television Teaching Today. Paris: UNESCO, 1960. 267 pp.

One of the first international assessments "of the various ways in which television is being used in education, and of the results obtained so far." Besides the United States, the book describes instructional television in Canada, France, Italy, Japan, Union of Soviet Socialist Republics, and the United Kingdom.

College Teaching by Television. Edited by John C. Adams, C. R. Carpenter, and Dorothy R. Smith. Washington, D. C.: American Council on Education, 1958. 234 pp.

A report of the October 1957 conference on college televised instruction held at Pennsylvania State University under the sponsorship of the University and the Committee on Television of the American Council on Education. Among the topics covered are: college cultural patterns and their effects on learning by television, and educational philosophy and television.

Costello, Lawrence, and George N. Gordon, Teach With Television. New York: Hastings House, 1961. 192 pp.

Primarily a practical manual for teachers and administrators, it defines instructional television, and "how, when, and where to use it." The authors give criteria for the studio, the lesson, and the technical and teaching staff, as well as for administration, financing and evaluation. Includes a glossary of terms used by educational broadcasters.

Dunham, Franklin, Educational Teleguide. Office of Education, U. S. Department of Health, Education, and Welfare, Washington, D. C.: United States Government Printing Office, 1959. 79 pp.

Contains names and addresses of people and organizations involved in instructional television, i.e. closed-circuit educational television, school districts and schools making regular use of television, etc.

Educational Television: The Next Ten Years. Stanford, Cal.: Institute for Communication Research, Stanford University, 1962. 375 pp.

Edited as a symposium on educational television. Specialists in the field review past problems and progress and project future trends and developments. Includes articles by Wilbur Schramm, William Brish, Fred Hechinger, W. C. Meierhenry, Jack McBride, C. R. Carpenter, and L. P. Greenhill.

Erickson, C. G. and H. M. Chausow, Chicago's TV College — Final Report of a Three-Year Experiment. Chicago: Chicago Junior College, 1960. 98 pp.

Final report of the three-year (1956-59) experiment of the Chicago City Junior College in offering college courses for credit via open circuit television. It describes day-to-day operation, administrative and instructional aspects, and gives statistics on costs.

Levenson, William B., and Edward Stasheff, Teaching Through Radio and Television. New York: Rinehart and Company, Inc., Revised Edition 1958. 560 pp.

A basic text on how to use broadcasting in teaching. Describes how to prepare, present and appraise instructional television.

Lewis, Philip, Educational Television Guidebook. New York: McGraw-Hill Book Company, Inc., 1961. 238 pp.

Explains the essential nature of the television process, the equipment used, and the possible variations in method, systems, and equipment. Includes a glossary, bibliography, and list of organizations associated with educational television.

Midwest Program on Airborne Television Instruction, Using Television in the Classroom. Edited by Mary Howard Smith. New York: McGraw-Hill Book Company, Inc., 1961. 118 pp.

Introduces the classroom teacher to television, discusses the role of the classroom teacher, and gives a few examples of television-classroom lessons. Although specifically prepared as a manual for teachers using the airplane-transmitted programs supplied by the Midwest Program on Airborne Television Instruction, the classroom utilization techniques are applicable as well to teachers who use the more conventional type of television.

National Compendium of Telecourses for Credit. Compiled and edited by Lawrence E. McKune. East Lansing, Mich.: University of the Air, Michigan State University, September 1, 1962. 9th edition. 206 pp.

An annual compilation of telecourses given for credit, listing institutions offering courses and their schedules, credits, compensation time, and course fees. Contains comment on various instructional installations and courses. Also lists television teachers, and institutions which reported no use of educational television.

Spear, James, Creating Visuals for TV: A Guide for Educators. Washington, D. C.: Division of Audiovisual Instructional Service, National Education Association, 1962. 48 pp.

A practical handbook on how to make and use effective television visuals, based largely on the experience of the Hagerstown (Md.) instructional television project. Describes projected and non-projected resources, studio props, and special effects.

Television in Teacher Education. Edited by Edwin P. Adkins. Washington, D. C.: The American Association of Colleges for Teacher Education, 1960. 72 pp.

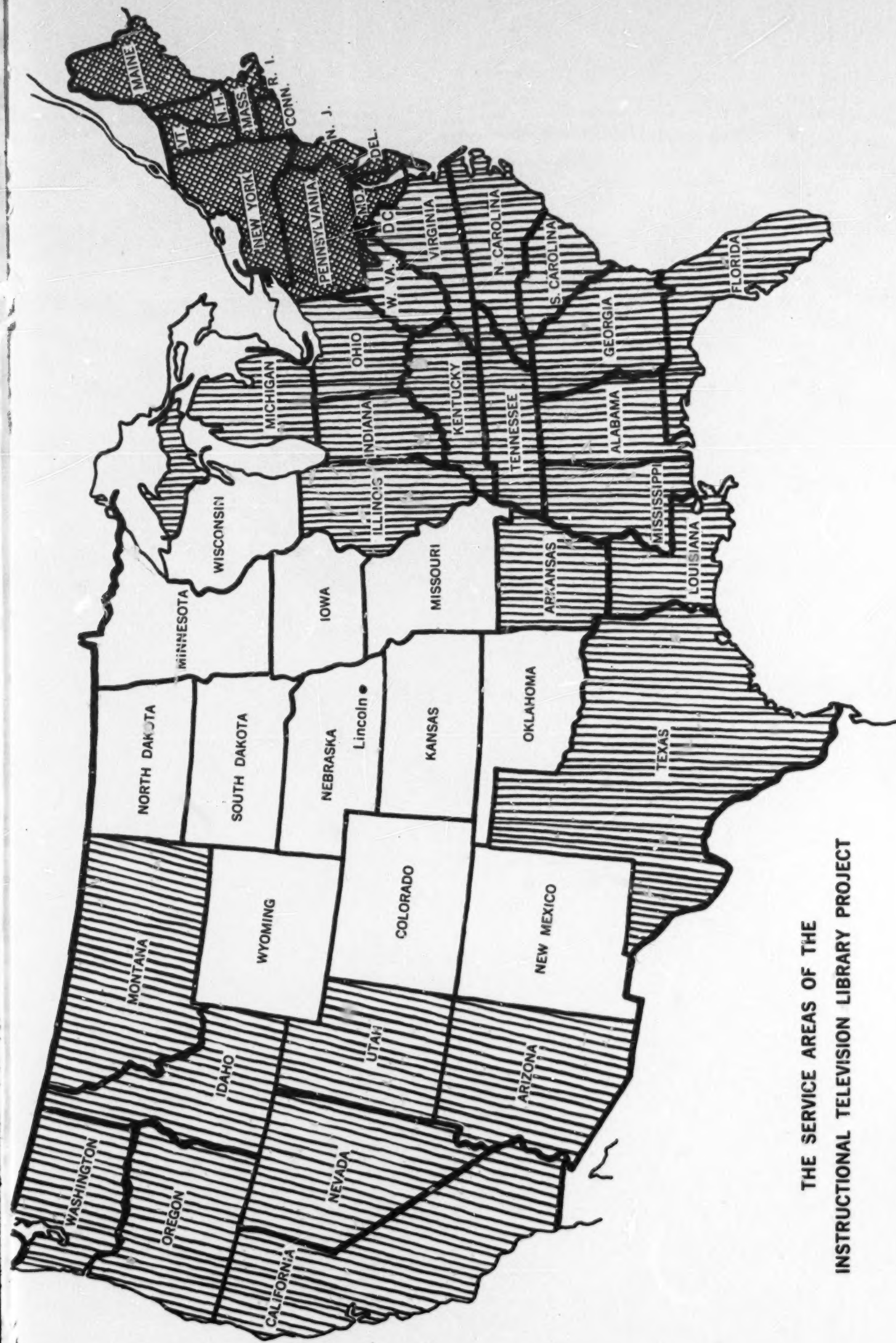
Reports what the American Association of Colleges for Teacher Education, and in particular its Subcommittee on Television and Teacher Education, has done in bringing to light the possibilities of television for the education of teachers. Tells how the Subcommittee's workshop idea was converted into the concept of a nationally televised program to help in the in-service training of science teachers — resulting in the Continental Classroom. Discusses closed-circuit television, television equipment utilization, etc. Includes a glossary of terms, as well as a listing of film services and manufacturers of closed-circuit television equipment.

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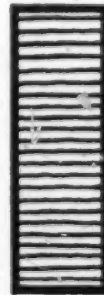
Audio-Visual Communications Review. Department of Audiovisual Instruction, National Education Association, 1201 Sixteenth Street, N. W. Washington 6, D. C.

NAEB Journal. National Association of Educational Broadcasters. 1119 Du Pont Circle Building, Washington 6, D.C.

Educational Television Bulletin. Southern Regional Education Board, 130 Sixth Street, N. W., Atlanta 13, Ga.

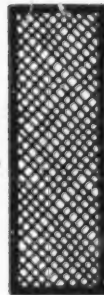


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